SAFETY DATA SHEET

Version #: 01

Issue date: 08-14-2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation

of the mixture

Plexus MA3940LH Adhesive

Registration number

None.

Synonyms SKU#

Z0015

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Not available. Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name **ITW Performance Polymers**

Address Bay 150

Shannon Industrial Estate

Co. Clare, Ireland

Division

Phone 353(61)771500 Telephone

e-mail customerservice.shannon@itwpp.com

Not available. **Contact person**

1.4. Emergency telephone

number

Emergency Number

44(0)1235 239 670

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for

the Emergency Service.)

Austria National Poisons Information Center

+431 406 4343 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Belgium National Poisons Control Center

070 245 245 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Bulgaria National

Toxicological Information

Center

+359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Croatia Poisons Information Center

+385 1 2348 342 (Hours of operation not provided. SDS/Product information may

not be available for the Emergency Service.)

Cyprus Poison Center 1401 (Available 24 hours a day, SDS/Product information may not be available

for the Emergency Service.)

Czech Republic National Poisons Information

Center

+420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Denmark National Poisons Control Center

+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Estonia National Poisons Information Center

16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be

available for the Emergency Service.)

Finland National Poison Information Center

(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

France National Poisons Control Center

ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Material name: Plexus MA3940LH Adhesive Z0015 Version #: 01 Issue date: 08-14-2023 **Greece Poison Information** Centre

(0030) 2107793777 (Available 24 hours a day. SDS/Product information may not

be available for the Emergency Service.)

Hungary National Emergency Phone Number

+36-80-201-199 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Iceland Poison Center

(+354) 543 2222 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Latvia Emergency medical

aid

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Latvia Poison and Drug Information Center

+371 67042473 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Lithuania Neatidėliotina informacija apsinuodijus

+370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Malta Accident and **Emergency Department**

2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Netherlands National Poisons Information Center (NVIC)

NVIC: +31 (0)88 755 8000 (Only for the purpose of informing medical personnel in cases of acute intoxications)

Norway Norwegian Poison Information Center

22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Portugal Poison Center

800 250 250 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Romania Biroul RSI si Informare Toxicologica 021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)

Slovakia National Toxicological Information Center

+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Spain Toxicology Information Service

+ 34 91 562 04 20 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Sweden National Poison Information Center

112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

Switzerland Tox Info Suisse

145 (Available 24 hours a day. SDS/Product information may not be available for

the Emergency Service.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable liquids Category 2 H225 - Highly flammable liquid and

vapor.

Health hazards

Skin corrosion/irritation Category 2 H315 - Causes skin irritation. Serious eye damage/eye irritation Category 2

H319 - Causes serious eye

irritation.

Skin sensitization Category 1 H317 - May cause an allergic skin

reaction.

Specific target organ toxicity - single

exposure

Category 3 respiratory tract irritation

H335 - May cause respiratory

irritation.

2.2. Label elements

Material name: Plexus MA3940LH Adhesive Z0015 Version #: 01 Issue date: 08-14-2023

Label according to Regulation (EC) No. 1272/2008 as amended

UFI:

Austria: D220-00D1-W00M-QY37 Belgium: D220-00D1-W00M-QY37 Bulgaria: D220-00D1-W00M-QY37 Croatia: D220-00D1-W00M-QY37 Cyprus: D220-00D1-W00M-QY37

Czech Republic: D220-00D1-W00M-QY37
Denmark: D220-00D1-W00M-QY37
Estonia: D220-00D1-W00M-QY37
EU: D220-00D1-W00M-QY37
Finland: D220-00D1-W00M-QY37
France: D220-00D1-W00M-QY37
Germany: D220-00D1-W00M-QY37
Greece: D220-00D1-W00M-QY37
Hungary: D220-00D1-W00M-QY37
Iceland: D220-00D1-W00M-QY37
Ireland: D220-00D1-W00M-QY37
Italy: D220-00D1-W00M-QY37
Latvia: D220-00D1-W00M-QY37
Lithuania: D220-00D1-W00M-QY37

Luxembourg: D220-00D1-W00M-QY37
Malta: D220-00D1-W00M-QY37
Netherlands: D220-00D1-W00M-QY37
Norway: D220-00D1-W00M-QY37
Poland: D220-00D1-W00M-QY37
Portugal: D220-00D1-W00M-QY37
Romania: D220-00D1-W00M-QY37
Slovakia: D220-00D1-W00M-QY37
Slovenia: D220-00D1-W00M-QY37

Slovenia: D220-00D1-W00M-QY37 Spain: D220-00D1-W00M-QY37 Sweden: D220-00D1-W00M-QY37

Contains: 2-METHYL-2-PROPENOIC ACID METHYL ESTER POLYMER WITH 1,3-BUTADIENE AND

ETHENYLBENZENE, ethanediol; ethylene glycol, methacrylic acid; 2-methylpropenoic acid,

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate, N,N-dimethyl-p-toluidine; [1] N,N-dimethyl-m-toluidine; [2] N,N-dimethyl-o-toluidine [3],

TRIMETHYLOLPROPANE TRIMETHACRYLATE

Hazard pictograms



Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P235 Keep cool.

P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing mist/vapors.
P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing

P312 Call a POISON CENTER/doctor if you feel unwell.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use appropriate media to extinguish.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information 68% of the mixture consists of component(s) of unknown acute dermal toxicity. 68% of the mixture

consists of component(s) of unknown acute inhalation toxicity. 71% of the mixture consists of

component(s) of unknown acute hazards to the aquatic environment.

2.3. Other hazards This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

(EC) No 1907/2006, Annex XIII. The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a

concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

ETHENYLBENZENE

| ochoral illiorination | | | | | |
|--|----------------------|-------------------------|-------------------------------|--------------|-------|
| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate | 30-60% | 80-62-6 201-297-1 | 01-2119452498-28-0000 | 607-035-00-6 | # |
| | Flam. Liq. 3;H335 | 2;H225, Skin Irrit. 2;F | H315, Skin Sens. 1;H317, S⁻ | TOT SE | |
| Specific Concentration Limits: | STOT SE | 3;H335: C ≥ 10 % | | | |
| 2-METHYL-2-PROPENOIC ACID METHYL ESTER POLYMER WITH 1,3-BUTADIENE AND | 10-30% | 25053-09-2 - | - | - | |

Classification: -

methacrylic acid; 2-methylpropenoic 1-5% 79-41-4 01-2119463884-26-0000 607-088-00-5 acid 201-204-4

Classification: Acute Tox. 4;H302;(ATE: 500 mg/kg bw), Acute Tox. 4;H312;(ATE: 1100

mg/kg bw), Acute Tox. 3;H331;(ĀTĒ: 7,1000000000000000 mg/l), Skin Corr. 1A;H314, Eye Dam. 1;H318, STOT SE 3;H335

Specific Concentration Limits: STOT SE 3;H335: C ≥ 1 %

TRIMETHACRYLATE 221-950-4

Classification:
ethanediol; ethylene glycol 0,10-0,99 107-21-1 - 603-027-00-1 # 203-473-3

3290-92-4

Classification: Acute Tox. 4;H302;(ATE: 500 mg/kg bw)

1-5%

N,N-dimethyl-p-toluidine; [1] 0,10-0,99 99-97-8 - 612-056-00-9 N,N-dimethyl-m-toluidine; [2] % 202-805-4

N,N-dimethyl-o-toluidine [3]

TRIMETHYLOLPROPANE

Classification: Acute Tox. 3;H301;(ATE: 100 mg/kg bw), Acute Tox. 3;H311;(ATE: 300

mg/kg bw), Acute Tox. 3;H331;(ATE: 3 mg/l), Carc. 2;H351, STOT RE

2;H373, Aquatic Chronic 3;H412

Other components below reportable

levels

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Union workplace exposure limit(s).

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information

Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

4.3. Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards

Highly flammable liquid and vapor.

5.1. Extinguishing media
Suitable extinguishing
media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters
Special protective

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

equipment for firefighters Special fire fighting procedures

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do

so without risk.

Specific methodsUse standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

For emergency responders

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate closed spaces before entering them. Avoid breathing mist/vapors. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

Material name: Plexus MA3940LH Adhesive Z0015 Version #: 01 Issue date: 08-14-2023

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

ANNEX 1, PART 1 Categories of dangerous substances

Hazard categories in accordance with Regulation (EC) No 1272/2008

- P5a, b or c FLAMMABLE LIQUIDS (Lower-tier requirements = 50 tons; Upper-tier requirements = 200 tons)

50 ppm

7.3. Specific end use(s)

Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

| Components | Туре | Value | |
|---|---------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | Ceiling | 52 mg/m3 | |
| | | 20 ppm | |
| | MAK | 26 mg/m3 | |
| | | 10 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | MAK | 70 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | Ceiling | 420 mg/m3 | |
| | | 100 ppm | |
| | MAK | 210 mg/m3 | |

Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1 - Chemical agents, as amended

| Components | Туре | Value | Form | |
|---|------|-----------|----------|---|
| ethanediol; ethylene glycol (CAS 107-21-1) | TWA | 52 mg/m3 | Aerosol. | _ |
| | | 20 ppm | Aerosol. | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | TWA | 71 mg/m3 | | |
| | | 20 ppm | | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 416 mg/m3 | | |
| | | 100 ppm | | |
| | TWA | 208 mg/m3 | | |
| | | 50 ppm | | |

Belgium. OELs. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1, as amended

| Components | Туре | Value | Form | |
|---|---------|-----------|----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | Ceiling | 104 mg/m3 | Aerosol. | |
| , | | 40 ppm | Aerosol. | |

Bulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, as amended

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| | TWA | 52 mg/m3 | |
| | | 20 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | TWA | 70 mg/m3 | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |

Croatia. OELs (GVI). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and Biological Limit Values, Annex I (NN 91/2018), as amended

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | MAC | 52 mg/m3 | |
| | | 20 ppm | |
| | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | MAC | 72 mg/m3 | |
| | | 20 ppm | |
| | STEL | 143 mg/m3 | |
| | | 40 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | MAC | 50 ppm | |
| | STEL | 100 ppm | |

Cyprus. OELs. Occupational Exposure Limit Values of Chemicals at Work (Safety and Health at Work (Chem. Agents) Reg., Ann. 1, R.A.A. 268/2001, as amended)

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| | TWA | 52 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |

Czech Republic. Occupational exposure limit values of chemicals at work (Decree on protection of health at work, 361/2007, Annex 2, Part A & Annex 3, Part A, as amended)

| Components | Туре | Value | |
|--|---------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | Ceiling | 100 mg/m3 | |

Czech Republic. Occupational exposure limit values of chemicals at work (Decree on protection of health at work, 361/2007, Annex 2, Part A & Annex 3, Part A, as amended)

Value

Type

| Components | Туре | Value | |
|--|---|--|--------------|
| | TWA | 50 mg/m3 | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | Ceiling | 150 mg/m3 | |
| (3/13/33/32/3) | TWA | 50 mg/m3 | |
| N,N-dimethyl-p-toluidine; [1] N,N-dimethyl-m-toluidine; [2] N,N-dimethyl-o-toluidine [3] (CAS 99-97-8) | Ceiling | 10 mg/m3 | |
| , | TWA | 5 mg/m3 | |
| Denmark. Work Environment Autho Components | ority. Exposure Limits for Sub Type | stances & Materials, Annex 2 Value Form | |
| ethanediol; ethylene glycol (CAS 107-21-1) | TLV | 26 mg/m3 | |
| | | 10 mg/m3 Aerosol. | |
| | | 10 ppm | |
| methacrylic acid; 2-methylpropenoic acid | TLV | 70 mg/m3 | |
| (CAS 79-41-4) | | 20 nnm | |
| mathyl mathagrilate; mathyl | TLV | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | TLV | 102 mg/m3 | |
| (CAS 60-02-0) | | | |
| | | 25 ppm | |
| Estania OELa Occupational Evna | ours Limits of Hazardous Sub | 25 ppm | as amandad |
| | Туре | 25 ppm stances (Regulation No. 105/2001, Annex) Value | , as amended |
| Estonia. OELs. Occupational Expo Components ethanediol; ethylene glycol (CAS 107-21-1) | | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 | , as amended |
| Components ethanediol; ethylene glycol | Type STEL | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm | , as amended |
| Components ethanediol; ethylene glycol | Туре | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm 52 mg/m3 | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) | Type STEL TWA | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid | Type STEL | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm 52 mg/m3 | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid | Type STEL TWA | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid | Type STEL TWA | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; | Type STEL TWA STEL | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate | Type STEL TWA STEL | stances (Regulation No. 105/2001, Annex) Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 30 ppm 70 mg/m3 | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) methyl methacrylate; methyl 2-methylprop-2-enoate; | Type STEL TWA STEL TWA | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 30 ppm 70 mg/m3 20 ppm | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) Finland. HTP-arvot, App 3., Binding | Type STEL TWA STEL TWA STEL TWA STEL | stances (Regulation No. 105/2001, Annex) Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 30 ppm 70 mg/m3 20 ppm 100 ppm 100 ppm | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) Finland. HTP-arvot, App 3., Binding Components | Type STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA TWA TWA TWA TWA TWA TWA TW | stances (Regulation No. 105/2001, Annex) Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 30 ppm 70 mg/m3 20 ppm 100 ppm 50 ppm 50 ppm | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) Finland. HTP-arvot, App 3., Binding | Type STEL TWA STEL TWA STEL TWA STEL | stances (Regulation No. 105/2001, Annex) Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 30 ppm 70 mg/m3 20 ppm 100 ppm 50 ppm 50 ppm 400 ppm 400 mg/m3 | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) Finland. HTP-arvot, App 3., Binding Components ethanediol; ethylene glycol | Type STEL TWA STEL TWA STEL TWA g Limit Values, Social Affairs a Type STEL | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 30 ppm 70 mg/m3 20 ppm 100 ppm 50 ppm 100 ppm 40 ppm 40 ppm 40 ppm 40 ppm 40 ppm | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) Finland. HTP-arvot, App 3., Binding Components ethanediol; ethylene glycol | Type STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA TWA TWA TWA TWA TWA TWA TW | 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 30 ppm 70 mg/m3 20 ppm 100 ppm 50 ppm 100 ppm 400 ppm 50 ppm 50 mg/m3 40 ppm 50 mg/m3 | , as amended |
| ethanediol; ethylene glycol (CAS 107-21-1) methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) Finland. HTP-arvot, App 3., Binding Components ethanediol; ethylene glycol | Type STEL TWA STEL TWA STEL TWA g Limit Values, Social Affairs a Type STEL | stances (Regulation No. 105/2001, Annex), Value 104 mg/m3 40 ppm 52 mg/m3 20 ppm 100 mg/m3 30 ppm 70 mg/m3 20 ppm 100 ppm 50 ppm 100 ppm 40 ppm 40 ppm 40 ppm 40 ppm 40 ppm | , as amended |

Components

| Components | Туре | Value | |
|--|---|---|----------------------------------|
| methyl methacrylate; meth 2-methylprop-2-enoate; nethyl 2-methylpropenoat CAS 80-62-6) | | 210 mg/m3 | |
| | | 50 ppm | |
| | TWA | 42 mg/m3 | |
| | | 10 ppm | |
| France. OELs. Indicative Components | Occupational Exposure Limits as Presc Type | cribed by Order of 30 June 20 Value | 004, as amended |
| | - | 104 mg/m3 | |
| ethanediol; ethylene glyco CAS 107-21-1) | I VLE | 40 ppm | |
| | VME | | |
| | VIVIE | 52 mg/m3 | |
| | | 20 ppm | |
| France. OELs. Occupation Components | onal Exposure Limits as Prescribed by A Type | ort. R.4412-149 of Labor Code Value | e, as amended |
| nethyl methacrylate; meth 2-methylprop-2-enoate; nethyl 2-methylpropenoat | | 410 mg/m3 | |
| CAS 80-62-6) | | 100 nnm | |
| | \ /A 4F | 100 ppm | |
| | VME | 205 mg/m3 | |
| | | 50 ppm | |
| France. Threshold Limit Components | Values (VLEP) for Occupational Exposu Type | re to Chemicals in France, IN Value | IRS ED 984 Form |
| ethanediol; ethylene glyco | l VLE | 104 mg/m3 | Vapor. |
| CAS 107-21-1) Regulatory status: | Regulatory indicative (VRI) | | |
| Regulatory status. | regulatory inviounve (vrti) | 40 ppm | Vapor. |
| Regulatory status: | Regulatory indicative (VRI) | | |
| | VME | 52 mg/m3 | Vapor. |
| Regulatory status: | Regulatory indicative (VRI) | | |
| | | 20 ppm | Vapor. |
| Regulatory status: | Regulatory indicative (VRI) | | |
| | VME | | |
| 2-methylpropenoic acid | VIVIE | 70 mg/m3 | |
| 2-methylpropenoic acid CAS 79-41-4) | | 70 mg/m3 | |
| 2-methylpropenoic acid | Indicative limit (VL) | | |
| 2-methylpropenoic acid (CAS 79-41-4) Regulatory status: | Indicative limit (VL) | 70 mg/m3 20 ppm | |
| 2-methylpropenoic acid (CAS 79-41-4) Regulatory status: Regulatory status: methyl methacrylate; meth 2-methylprop-2-enoate; methyl 2-methylpropenoat | Indicative limit (VL) Indicative limit (VL) nyl VLE | | |
| 2-methylpropenoic acid CAS 79-41-4) Regulatory status: Regulatory status: methyl methacrylate; methylprop-2-enoate; methyl 2-methylpropenoat CAS 80-62-6) | Indicative limit (VL) Indicative limit (VL) nyl VLE | 20 ppm | |
| 2-methylpropenoic acid (CAS 79-41-4) Regulatory status: Regulatory status: methyl methacrylate; meth 2-methylprop-2-enoate; methyl 2-methylpropenoat | Indicative limit (VL) Indicative limit (VL) nyl VLE | 20 ppm | |
| 2-methylpropenoic acid CAS 79-41-4) Regulatory status: Regulatory status: methyl methacrylate; meth 2-methylprop-2-enoate; methyl 2-methylpropenoat CAS 80-62-6) Regulatory status: | Indicative limit (VL) Indicative limit (VL) nyl VLE | 20 ppm 410 mg/m3 | |
| 2-methylpropenoic acid (CAS 79-41-4) Regulatory status: Regulatory status: methyl methacrylate; meth 2-methylprop-2-enoate; methyl 2-methylpropenoat (CAS 80-62-6) | Indicative limit (VL) Indicative limit (VL) nyl VLE te Regulatory binding (VRC) | 20 ppm 410 mg/m3 | |
| 2-methylpropenoic acid (CAS 79-41-4) Regulatory status: Regulatory status: methyl methacrylate; meth 2-methylprop-2-enoate; methyl 2-methylpropenoat CAS 80-62-6) Regulatory status: Regulatory status: | Indicative limit (VL) Indicative limit (VL) nyl VLE te Regulatory binding (VRC) Regulatory binding (VRC) VME | 20 ppm 410 mg/m3 100 ppm | |
| 2-methylpropenoic acid (CAS 79-41-4) Regulatory status: Regulatory status: methyl methacrylate; meth 2-methylprop-2-enoate; methyl 2-methylpropenoat (CAS 80-62-6) Regulatory status: | Indicative limit (VL) Indicative limit (VL) nyl VLE te Regulatory binding (VRC) Regulatory binding (VRC) | 20 ppm 410 mg/m3 100 ppm | |
| 2-methylpropenoic acid (CAS 79-41-4) Regulatory status: Regulatory status: methyl methacrylate; meth 2-methylprop-2-enoate; methyl 2-methylpropenoat (CAS 80-62-6) Regulatory status: Regulatory status: | Indicative limit (VL) Indicative limit (VL) nyl VLE te Regulatory binding (VRC) Regulatory binding (VRC) VME | 20 ppm 410 mg/m3 100 ppm 205 mg/m3 | |
| 2-methylpropenoic acid CAS 79-41-4) Regulatory status: Regulatory status: methyl methacrylate; meth 2-methylprop-2-enoate; methyl 2-methylpropenoate CAS 80-62-6) Regulatory status: Regulatory status: Regulatory status: Regulatory status: Regulatory status: | Indicative limit (VL) Indicative limit (VL) nyl VLE te Regulatory binding (VRC) Regulatory binding (VRC) VME Regulatory binding (VRC) Regulatory binding (VRC) (VRC) Regulatory binding (VRC) | 20 ppm 410 mg/m3 100 ppm 205 mg/m3 50 ppm | ls of Chemical Compound |
| Regulatory status: methyl methacrylate; meth 2-methylprop-2-enoate; methyl 2-methylpropenoat (CAS 80-62-6) Regulatory status: Regulatory status: Regulatory status: Regulatory status: | Indicative limit (VL) Indicative limit (VL) nyl VLE te Regulatory binding (VRC) Regulatory binding (VRC) VME Regulatory binding (VRC) Regulatory binding (VRC) (VRC) Regulatory binding (VRC) | 20 ppm 410 mg/m3 100 ppm 205 mg/m3 50 ppm | ls of Chemical Compounds Form |

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG), as updated

| Components | Туре | Value | Form |
|--|-------------------------------------|---|----------------------------------|
| | | 10 ppm | Vapor and aerosol. |
| nethacrylic acid; -methylpropenoic acid CAS 79-41-4) | TWA | 180 mg/m3 | |
| | | 50 ppm | |
| nethyl methacrylate; methyl -methylprop-2-enoate; nethyl 2-methylpropenoate CAS 80-62-6) | TWA | 210 mg/m3 | |
| | | 50 ppm | |
| Germany. TRGS 900, Limit Values ir Components | n the Ambient Air at the Wo Type | rkplace Value | Form |
| ethanediol; ethylene glycol CAS 107-21-1) | AGW | 26 mg/m3 | Vapor and aerosol. |
| | | 10 ppm | Vapor and aerosol. |
| nethacrylic acid; ?-methylpropenoic acid CAS 79-41-4) | AGW | 180 mg/m3 | |
| | | 50 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate CAS 80-62-6) | AGW | 210 mg/m3 | |
| CA3 60-02-0) | | 50 ppm | |
| Greece. OELs, Presidential Decree N | No. 307/1986, as amended | | |
| Components | Type | Value | Form |
| ethanediol; ethylene glycol CAS 107-21-1) | STEL | 125 mg/m3 | Vapor. |
| | | 50 ppm | Vapor. |
| | TWA | 125 mg/m3 | Vapor. |
| | | 50 ppm | Vapor. |
| nethacrylic acid; ?-methylpropenoic acid CAS 79-41-4) | STEL | 140 mg/m3 | |
| | | 40 ppm | |
| | TWA | 70 mg/m3 | |
| | | 20 ppm | |
| nethyl methacrylate; methyl ?-methylprop-2-enoate; nethyl 2-methylpropenoate CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |
| Hungary. OELs. Decree on protection | on of workers exposed to cl Type | nemical agents (5/2020. (II.6)), A Value | Annex 1&2, as amended |
| ethanediol; ethylene glycol CAS 107-21-1) | STEL | 104 mg/m3 | |
| | TWA | 52 mg/m3 | |
| methyl methacrylate; methyl | STEL | 415 mg/m3 | |
| methyl 2-methylpropenoate | | | |
| 2-methylprop-2-enoate; nethyl 2-methylpropenoate CAS 80-62-6) | TWA | 208 mg/m3 | |
| methyl 2-methylpropenoate | | _ | the Workplace, as amende Form |

| Components | Туре | Value | Form |
|---|-------------------------------------|--------------------------------------|----------------------------|
| | | 40 ppm | |
| | TWA | 26 mg/m3 | Mist. |
| | | 26 mg/m3 | |
| | | 10 ppm | |
| | | 10 ppm | Mist. |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | TWA | 70 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |
| Ireland. OELVs, Schedules 1 & 2, C Components | ode of Practice for Chemica Type | I Agents and Carcinogens Re Value | gulations |
| ethanediol; ethylene glycol | STEL | 104 mg/m3 | |
| (CAS 107-21-1) | | - | |
| | | 40 ppm | |
| | TWA | 52 mg/m3 | |
| | | 20 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | STEL | 140 mg/m3 | |
| | | 40 ppm | |
| | TWA | 70 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |
| Italy. OELs (Legislative Decree n.81 | I, 9 April 2008), as amended | | |
| Components | Туре | Value | |
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| | TWA | 52 mg/m3 | |
| | T14.15 | 20 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | TWA | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |
| Latvia. OELs. Occupational Exposı 1), as amended | | | . 325/ 2007, L.V. 80, Anne |
| Components | Туре | Value | |
| ethanediol; ethylene glycol | STEL | 104 mg/m3 | |
| (CAS 107-21-1) | | 40 | |
| | TWA | 40 ppm 52 mg/m3 | |

Latvia. OELs. Occupational Exposure Limits of Chemical Substances at Workplace (Reg. No. 325/ 2007, L.V. 80, Annex 1), as amended

| Components | Туре | Value | |
|---|------|----------|--|
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | TWA | 10 mg/m3 | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | TWA | 10 mg/m3 | |

Lithuania. OELs. Occupational Exposure Limit Values for Chemical Substances (Hygiene Norm HN 23:2011; Order No. V-824/A1-389), as amended

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 50 mg/m3 | |
| | | 20 ppm | |
| | TWA | 25 mg/m3 | |
| | | 10 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | STEL | 100 mg/m3 | |
| | | 30 ppm | |
| | TWA | 70 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 416 mg/m3 | |
| | | 100 ppm | |
| | TWA | 208 mg/m3 | |
| | | 50 ppm | |

Luxembourg. OELs. Binding Occupational Exposure Limit Values (Annex I), G.D.R. of 14 November 2016, OJ Memorial A, n ° 235/2016, as amended

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| | TWA | 52 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |

Malta. OELs. Protection of Health and Safety of Workers from Risks related to Chemical Agents at Work (L.N 227/2003 Schedules I and V), as amended

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| | TWA | 52 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |

Netherlands. OELs per Annex XIII of Working Conditions Regulation (Staatscourant no. 252, 29 December 2006), as amended

| Components | Туре | Value | Form | |
|---|------|-----------|--------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | Vapor. | |
| | TWA | 52 mg/m3 | Vapor. | |
| | | 10 mg/m3 | Mist. | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 410 mg/m3 | | |
| | TWA | 205 mg/m3 | | |

Norway. Regulation No. 1358 on Measures and Limit Values for Physical and Chemical Factors in Work Environment and Infection Groups for Biological Factors, as amended

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| | TLV | 52 mg/m3 | |
| | | 20 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | TLV | 70 mg/m3 | |
| , , | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 400 mg/m3 | |
| | | 100 ppm | |
| | TLV | 100 mg/m3 | |
| | | 25 ppm | |

Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 50 mg/m3 | |
| | TWA | 15 mg/m3 | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 300 mg/m3 | |
| • | TWA | 100 mg/m3 | |

Portugal. Decree-Law No. 24/2012, Occupational Exposure Limit Values, Annex II, as amended Components Type Value

| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 |
|---|------|-----------|
| | | 40 ppm |
| | TWA | 52 mg/m3 |
| | | 20 nnm |

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796-2014)

| Components | Type | Value | Form |
|--|---------|-----------|----------|
| ethanediol; ethylene glycol (CAS 107-21-1) | Ceiling | 100 mg/m3 | Aerosol. |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | TWA | 20 ppm | |

| Portugal. VLEs. Norm on occ | upational exposure to chemical age | nts (NP 1796-2014) |
|-----------------------------|------------------------------------|--------------------|
| Components | Туре | Value |

methyl methacrylate; methyl STEL 100 ppm 2-methylprop-2-enoate;

methyl 2-methylpropenoate (CAS 80-62-6)

TWA 50 ppm

Form

Romania. OELs. Limit Values of Chemical Agents at Workplace (Regulation 1.218/2006, M.O 845, Annex 1, 3&4, as amended)

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| | TWA | 52 mg/m3 | |
| | | 20 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | STEL | 45 mg/m3 | |
| | | 13 ppm | |
| | TWA | 30 mg/m3 | |
| | | 8,5 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 410 mg/m3 | |
| | | 100 ppm | |
| | TWA | 205 mg/m3 | |
| | | 50 ppm | |

Slovakia. OELs. Maximum permissible exposure limits for chemical factors in workplace air (Regulation No 355/2006, Annex 1, Table 1, as amended)

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| | TWA | 52 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |

Slovenia. OELs. Occupational Exposure Limits of Chemicals at Workplace (Reg. on Protection of Workers from Risks due to Exp. to Chemicals at Work, Annex I), as amended

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | TWA | 52 mg/m3 | |
| | | 20 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | TWA | 180 mg/m3 | |
| | | 50 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | TWA | 210 mg/m3 | |
| | | 50 ppm | |

Spain. OELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 1-Valores Límites Ambientales (VLAs)

| Components | Туре | Value | |
|---|------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m3 | |
| | | 40 ppm | |
| | TWA | 52 mg/m3 | |
| | | 20 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | TWA | 72 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| | TWA | 50 ppm | |

Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

| Components | Туре | Value | |
|---|---------|-----------|--|
| ethanediol; ethylene glycol (CAS 107-21-1) | Ceiling | 104 mg/m3 | |
| | | 40 ppm | |
| | TWA | 25 mg/m3 | |
| | | 10 ppm | |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | STEL | 100 mg/m3 | |
| | | 30 ppm | |
| | TWA | 70 mg/m3 | |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | Ceiling | 400 mg/m3 | |
| | | 100 ppm | |
| | TWA | 200 mg/m3 | |
| | | 50 ppm | |

| Components | Туре | Value | Form |
|---|------|-----------|--------------------|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 52 mg/m3 | Vapor and aerosol. |
| | | 20 ppm | Vapor and aerosol. |
| | TWA | 26 mg/m3 | Vapor and aerosol. |
| | | 10 ppm | Vapor and aerosol. |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | STEL | 360 mg/m3 | |
| | | 100 ppm | |
| | TWA | 180 mg/m3 | |
| | | 50 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 420 mg/m3 | |
| | | 100 ppm | |
| | TWA | 210 mg/m3 | |
| | | 50 ppm | |

| Components | Туре | Value | Form |
|--|---|---|----------------------------|
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m | n3 Vapor. |
| (0/10/10/-2/-1) | | 40 ppm | Vapor. |
| | TWA | 52 mg/m3 | 3 Vapor. |
| | | 10 mg/m3 | Particulate. |
| | | 20 ppm | Vapor. |
| methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) | STEL | 143 mg/m | n3 |
| | | 40 ppm | |
| | TWA | 72 mg/m3 | 3 |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 416 mg/m | 13 |
| | | 100 ppm | |
| | TWA | 208 mg/m | 13 |
| | | 50 ppm | |
| EU. Indicative Exposure Lim Components | nit Values in Directives 91/322 Type | 2/EEC, 2000/39/EC, 2006/15/EC Value | , 2009/161/EU, 2017/164/EU |
| ethanediol; ethylene glycol (CAS 107-21-1) | STEL | 104 mg/m | 13 |
| , | | 40 ppm | |
| | TWA | 52 mg/m3 | } |
| | | 20 ppm | |
| methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6) | STEL | 100 ppm | |
| , | TWA | 50 ppm | |
| logical limit values | No biological exposure limits | noted for the ingredient(s). | |
| commended monitoring | Follow standard monitoring p | • , | |
| rived no effect levels IELs) | Not available. | | |
| dicted no effect ncentrations (PNECs) | Not available. | | |
| oosure guidelines | | | |
| Austria MAK: Skin designati | | | |
| ethanediol; ethylene glyco Belgium OELs: Skin designa | | Can be absorbed through the | skin. |
| ethanediol; ethylene glyco Bulgaria OELs: Skin designa | | Can be absorbed through the | skin. |
| ethanediol; ethylene glyco | | Can be absorbed through the | skin. |
| Croatia ELVs: Skin designat | | | |
| ethanediol; ethylene glyco methyl methacrylate; met methyl 2-methylpropenoa Czech Republic PELs: Skin | hyl 2-methylprop-2-enoate; te (CAS 80-62-6) | Can be absorbed through the Can be absorbed through the | |
| ethanediol; ethylene glyco Denmark GV: Skin designati | ol (CAS 107-21-1) | Can be absorbed through the | skin. |
| ethanediol; ethylene glyco | ol (CAS 107-21-1) hyl 2-methylprop-2-enoate; | Can be absorbed through the Can be absorbed through the | |

UK. OELs. Workplace Exposure Limits (WELs) (EH40/2005 (Fourth Edition 2020)), Table 1

Estonia OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

EU Exposure Limit Values: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Finland Exposure Limit Values: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

France Indicative OELs: Skin Designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

France INRS: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Germany DFG MAK (advisory): Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin. N,N-dimethyl-p-toluidine; [1] N,N-dimethyl-m-toluidine; [2] Can be absorbed through the skin.

N,N-dimethyl-o-toluidine [3] (CAS 99-97-8)

Germany TRGS 900 Limit Values: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Hungary OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin. methyl methacrylate; methyl 2-methylprop-2-enoate; Can be absorbed through the skin.

methyl 2-methylpropenoate (CAS 80-62-6) Iceland OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin. methyl methacrylate; methyl 2-methylprop-2-enoate; Can be absorbed through the skin.

methyl 2-methylpropenoate (CAS 80-62-6) Ireland Exposure Limit Values: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Italy OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Danger of cutaneous absorption

Latvia OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Lithuania OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Luxembourg OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Malta OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Netherlands OELs (binding): Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Norway Exposure Limit Values: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Portugal OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Romania OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Slovakia OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

ethanediol: ethylene glycol (CAS 107-21-1) Can be absorbed through the skin. methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) Can be absorbed through the skin.

Spain OELs: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Sweden Threshold Limit Values: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

Switzerland SUVA Limit Values at the Workplace: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

UK EH40 WEL: Skin designation

ethanediol; ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

8.2. Exposure controls

Material name: Plexus MA3940LH Adhesive Z0015 Version #: 01 Issue date: 08-14-2023 Appropriate engineering

controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an

acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Use personal protective equipment as required. Personal protection equipment should be chosen **General information**

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Eye/face protection

Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

- Hand protection Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. - Other

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures When using do not smoke. Always observe good personal hygiene measures, such as washing

after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not

be allowed out of the workplace.

Environmental exposure

controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to

acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid. **Form** Liquid.

Color White, Off-white. Odor Slight. Pungent.

Melting point/freezing point -54,4 °F (-48 °C) estimated

Boiling point or initial boiling

point and boiling range

213,8 °F (101 °C)

Not applicable. **Flammability**

Upper/lower flammability or explosive limits 2,1 % estimated **Explosive limit - lower (%)**

Explosive limit - upper (%) 8,2 % estimated

50,0 °F (10,0 °C) Tag Closed Cup Flash point

815 °F (435 °C) estimated **Auto-ignition temperature**

Decomposition temperature Not available. Not available. pН Not available. Kinematic viscosity

Solubility

Solubility (water) Not available. Not available. Partition coefficient

(n-octanol/water) (log value)

28 hPa Vapor pressure

Density and/or relative density

0,95 g/cm3 estimated Density

0,92 g/cm3

Not available. Vapor density Not available. **Particle characteristics**

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No relevant additional information available.

9.2.2. Other safety characteristics

0,92 Specific gravity

SECTION 10: Stability and reactivity

10.1. ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoidAvoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

10.5. Incompatible materials Strong oxidizing agents. Nitrates. Peroxides.

10.6. Hazardous No hazardous decomposition products are known.

decomposition products

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation May cause irritation to the respiratory system. Prolonged inhalation may be harmful.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of

occupational exposure.

Symptoms Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an

allergic skin reaction. Dermatitis. Rash.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Not known.

Components Species Test Results

ethanediol; ethylene glycol (CAS 107-21-1)

<u>Acute</u>

Dermal

LD50 Rabbit 9530 mg/kg

methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4)

<u>Acute</u>

Inhalation

LC50 Rat 7,1000000000000000 mg/l, 4 Hours

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6)

Acute Oral

LD50 Rat

7800 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory sensitizationDue to partial or complete lack of data the classification is not possible.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicityDue to partial or complete lack of data the classification is not possible.

Carcinogenicity Risk of cancer cannot be excluded with prolonged exposure.

IARC Monographs. Overall Evaluation of Carcinogenicity

methyl methacrylate; methyl 2-methylprop-2-enoate;

3 Not classifiable as to carcinogenicity to humans.

methyl 2-methylpropenoate (CAS 80-62-6)

N,N-dimethyl-p-toluidine; [1] N,N-dimethyl-m-toluidine; [2] 2B Possibly carcinogenic to humans.

N,N-dimethyl-o-toluidine [3] (CAS 99-97-8)

Reproductive toxicityDue to partial or complete lack of data the classification is not possible.

Specific target organ toxicity -

single exposure

May cause respiratory irritation.

Specific target organ toxicity -

repeated exposure

Not applicable.

Aspiration hazard Due to partial or complete lack of data the classification is not possible.

Material name: Plexus MA3940LH Adhesive Z0015 Version #: 01 Issue date: 08-14-2023

Mixture versus substance

No information available.

information

11.2. Information on other hazards

Endocrine disrupting properties

This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than

0.1% by weight.

Other information Not available

SECTION 12: Ecological information

The product is not classified as environmentally hazardous. However, this does not exclude the 12.1. Toxicity

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and

degradability

No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

> ethanediol; ethylene glycol -1.36methacrylic acid; 2-methylpropenoic acid 0,93 methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 1,38

2-methylpropenoate

Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB

assessment

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation

(EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting

properties

This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than

0.1% by weight.

12.7. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

The Waste code should be assigned in discussion between the user, the producer and the waste EU waste code

disposal company.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of Disposal methods/information

contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number

14.2. UN proper shipping

name

ADHESIVES containing flammable liquid (vapour pressure at 50 °C more than 110 kPa)

14.3. Transport hazard class(es)

3 Class Subsidiary risk 3 Label(s) Hazard No. (ADR) 33 **Tunnel restriction code** D/E 14.4. Packing group Ш 14.5. Environmental hazards No.

14.6. Special precautions

Read safety instructions, SDS and emergency procedures before handling.

for user

RID

UN1133 14.1. UN number

14.2. UN proper shipping ADHESIVES containing flammable liquid (having a flash-point below 23 °C and viscous

according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa) name

14.3. Transport hazard class(es)

Class 3 Subsidiary risk 3 Label(s) 14.4. Packing group Ш 14.5. Environmental hazards No.

Read safety instructions, SDS and emergency procedures before handling. 14.6. Special precautions

for user

ADN

14.1. UN number

14.2. UN proper shipping ADHESIVES containing flammable liquid

14.3. Transport hazard class(es)

3 Class Subsidiary risk 3 Label(s) 14.4. Packing group Ш 14.5. Environmental hazards No.

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

IATA

14.1. UN number UN1133

Adhesives containing flammable liquid 14.2. UN proper shipping

14.3. Transport hazard class(es)

3 Class Subsidiary risk Ш 14.4. Packing group 14.5. Environmental hazards No. **ERG Code**

14.6. Special precautions

for user

Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

Other information

Allowed with restrictions.

aircraft

Cargo aircraft only Allowed with restrictions.

IMDG

UN1133 14.1. UN number

ADHESIVES containing flammable liquid 14.2. UN proper shipping

name

14.3. Transport hazard class(es)

Class Subsidiary risk 14.4. Packing group Ш 14.5. Environmental hazards Marine pollutant **EmS**

14.6. Special precautions

for user

Read safety instructions, SDS and emergency procedures before handling.

14.7. Maritime transport in bulk according to IMO instruments

Not established.

ADN; ADR; IATA; IMDG; RID



SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

UFI:

Austria: D220-00D1-W00M-QY37 Belgium: D220-00D1-W00M-QY37 Bulgaria: D220-00D1-W00M-QY37 Croatia: D220-00D1-W00M-QY37 Cyprus: D220-00D1-W00M-QY37

Czech Republic: D220-00D1-W00M-QY37 Denmark: D220-00D1-W00M-QY37 Estonia: D220-00D1-W00M-QY37 EU: D220-00D1-W00M-QY37 Finland: D220-00D1-W00M-QY37 France: D220-00D1-W00M-QY37 Germany: D220-00D1-W00M-QY37 Greece: D220-00D1-W00M-QY37 Hungary: D220-00D1-W00M-QY37 Iceland: D220-00D1-W00M-QY37 Ireland: D220-00D1-W00M-QY37 Italy: D220-00D1-W00M-QY37 Latvia: D220-00D1-W00M-QY37 Lithuania: D220-00D1-W00M-QY37 Luxembourg: D220-00D1-W00M-QY37 Malta: D220-00D1-W00M-QY37 Netherlands: D220-00D1-W00M-QY37 Norway: D220-00D1-W00M-QY37 Poland: D220-00D1-W00M-QY37 Portugal: D220-00D1-W00M-QY37 Romania: D220-00D1-W00M-QY37

Romania: D220-00D1-W00M-QY37 Slovakia: D220-00D1-W00M-QY37 Slovenia: D220-00D1-W00M-QY37 Spain: D220-00D1-W00M-QY37 Sweden: D220-00D1-W00M-QY37

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended - Conditions of restriction given for the associated entry number should be considered

methacrylic acid; 2-methylpropenoic acid (CAS 79-41-4) 75

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

ANNEX 1, PART 1 Categories of dangerous substances

Hazard categories in accordance with Regulation (EC) No 1272/2008

- P5a, b or c FLAMMABLE LIQUIDS

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP

Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations Young people under 18 years old are not allowed to work with this product according to EU

Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

France regulations

France INRS Table of Occupational Diseases

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate (CAS 80-62-6)

Affections provoquées par le méthacrylate de méthyle 82

Product registration number

UFI: D220-00D1-W00M-QY37 **Austria Belgium** UFI: D220-00D1-W00M-QY37 **Czech Republic** UFI: D220-00D1-W00M-QY37 Denmark UFI: D220-00D1-W00M-QY37 **European Union** UFI: D220-00D1-W00M-QY37 **Finland** UFI: D220-00D1-W00M-QY37 UFI: D220-00D1-W00M-QY37 France Germany UFI: D220-00D1-W00M-QY37 UFI: D220-00D1-W00M-QY37 Greece UFI: D220-00D1-W00M-QY37 Hungary UFI: D220-00D1-W00M-QY37 Italy **Netherlands** UFI: D220-00D1-W00M-QY37 UFI: D220-00D1-W00M-QY37 **Norway Poland** UFI: D220-00D1-W00M-QY37 UFI: D220-00D1-W00M-QY37 **Portugal** Slovakia UFI: D220-00D1-W00M-QY37 Slovenia UFI: D220-00D1-W00M-QY37 **Spain** UFI: D220-00D1-W00M-QY37 Sweden UFI: D220-00D1-W00M-QY37 UFI: D220-00D1-W00M-QY37 **Switzerland**

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous

Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VME: Exposure Average Value.

vPvB: Very persistent and very bioaccumulative.

References

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements, which are not written out in full under sections 2 to 15

H225 Highly flammable liquid and vapor.

H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin.

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H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Revision information Training information

Disclaimer

None.

Follow training instructions when handling this material.

ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

Material name: Plexus MA3940LH Adhesive Z0015 Version #: 01 Issue date: 08-14-2023