

SAFETY DATA SHEET

Version #: 04

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

1.1. Product identifier

Trade name or designation of the mixture PLEXUS® PC120

Registration number -

Synonyms None.

SKU# IP120

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

Company Name ITW Performance Polymers

Address
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82

Contact Person Customer Service

Telephone Number
353(61)771500
353(61)471285

Email customerservice.shannon@itwpp.com

Emergency Phone Number 44(0) 1235 239 670 (24 hours)

1.4. Emergency telephone number

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.)

1.4. Emergency telephone number

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	113
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.
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Health hazards

Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
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2.2. Label elements

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

UFI:

Austria: S520-H02F-7004-C9P9
Belgium: S520-H02F-7004-C9P9
Bulgaria: S520-H02F-7004-C9P9
Croatia: S520-H02F-7004-C9P9
Cyprus: S520-H02F-7004-C9P9
Czech Republic: S520-H02F-7004-C9P9
Denmark: S520-H02F-7004-C9P9
Estonia: S520-H02F-7004-C9P9
EU: S520-H02F-7004-C9P9
Finland: S520-H02F-7004-C9P9
France: S520-H02F-7004-C9P9
Germany: S520-H02F-7004-C9P9
Greece: S520-H02F-7004-C9P9
Hungary: S520-H02F-7004-C9P9
Iceland: S520-H02F-7004-C9P9
Ireland: S520-H02F-7004-C9P9
Italy: S520-H02F-7004-C9P9
Latvia: S520-H02F-7004-C9P9
Lithuania: S520-H02F-7004-C9P9
Luxembourg: S520-H02F-7004-C9P9
Malta: S520-H02F-7004-C9P9
Netherlands: S520-H02F-7004-C9P9
Norway: S520-H02F-7004-C9P9
Poland: S520-H02F-7004-C9P9
Portugal: S520-H02F-7004-C9P9
Romania: S520-H02F-7004-C9P9
Slovakia: S520-H02F-7004-C9P9
Slovenia: S520-H02F-7004-C9P9
Spain: S520-H02F-7004-C9P9
Sweden: S520-H02F-7004-C9P9

Contains:

BIS(METHACRYLOYLOXYETHYL) HYDROGEN PHOSPHATE

Hazard pictograms



Signal word

Danger

Hazard statements

H225
H319

Highly flammable liquid and vapor.
Causes serious eye irritation.

Precautionary statements

Prevention

P210
P233
P235
P240
P241
P242
P243
P264
P280

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Keep cool.
Ground and bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P303 + P361 + P353
P305 + P351 + P338
P337 + P313
P370 + P378

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use appropriate media to extinguish.

Storage

P403 + P235

Store in a well-ventilated place. Keep cool.

Disposal

P501

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

Supplemental label information

None.

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

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
propan-2-ol; isopropyl alcohol; isopropanol	90 - 100	67-63-0 200-661-7	-	603-117-00-0	
Classification: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336					
BIS(METHACRYLOYLOXYETHYL) HYDROGEN PHOSPHATE	3 - < 5	32435-46-4 251-040-2	-	-	
Classification: -					
phosphoric acid ... %, orthophosphoric acid ... %	< 0,3	7664-38-2 231-633-2	-	015-011-00-6	#
Classification: Acute Tox. 4;H302;(ATE: 1530 mg/kg bw), Acute Tox. 2;H330;(ATE: 0,8445 mg/l), Skin Corr. 1B;H314, Eye Dam. 1;H318					
Specific Concentration Limits: Skin Corr. 1B;H314: C ≥ 25 %, Skin Irrit. 2;H315: 10 % ≤ C < 25 %, Eye Dam. 1;H314: C ≥ 25 %, Eye Irrit. 2;H319: 10 % ≤ C < 25 %					
Other components below reportable levels	< 0,2				

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. 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

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

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

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

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. Alcohol resistant 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 equipment for firefighters

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

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 methods

Use 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**

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

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. 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.

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 contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

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)

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**

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001, as amended

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	MAK	1 mg/m ³
	STEL	2 mg/m ³
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	MAK	500 mg/m ³
		200 ppm
	STEL	2000 mg/m ³ 800 ppm

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	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	1000 mg/m3
		400 ppm
	TWA	500 mg/m3 200 ppm

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	1225 mg/m3
	TWA	980 mg/m3

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	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	MAC	1 mg/m3
	STEL	2 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	MAC	999 mg/m3
		400 ppm
	STEL	1250 mg/m3 500 ppm

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended

Components	Type	Value
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	TWA	980 mg/m3
		400 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	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 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)

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	Ceiling	2 mg/m3
	TWA	1 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)

Components	Type	Value
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	Ceiling	1000 mg/m3
	TWA	500 mg/m3

Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, Annex 2

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	TLV	1 mg/m3
	TLV	490 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)		200 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended

Components	Type	Value	Form
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3	Vapor.
	TWA	1 mg/m3	Vapor.
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	600 mg/m3	
		250 ppm	
	TWA	350 mg/m3 150 ppm	

Finland. HTP-arvot, App 3., Binding Limit Values, Social Affairs and Ministry of Health

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	620 mg/m3
		250 ppm
	TWA	500 mg/m3 200 ppm

France. OELs. Indicative Occupational Exposure Limits as Prescribed by Order of 30 June 2004, as amended

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	VLE	2 mg/m3
		0,5 ppm
	VME	1 mg/m3 0,2 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	VLE	2 mg/m3
	Regulatory status: Regulatory indicative (VRI)	0,5 ppm
	Regulatory status: Regulatory indicative (VRI)	VME 1 mg/m3
Regulatory status: Regulatory indicative (VRI)		

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
		0,2 ppm
Regulatory status: Regulatory indicative (VRI)		
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	VLE	980 mg/m3
Regulatory status: Indicative limit (VL)		400 ppm
Regulatory status: Indicative limit (VL)		

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

Components	Type	Value	Form
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	TWA	2 mg/m3	Inhalable fraction.
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	TWA	500 mg/m3	
		200 ppm	

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	AGW	2 mg/m3	Inhalable fraction.
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	AGW	500 mg/m3	
		200 ppm	

Greece. OELs, Presidential Decree No. 307/1986, as amended

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	3 mg/m3
	TWA	1 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	1225 mg/m3
		500 ppm
	TWA	980 mg/m3
		400 ppm

Hungary. OELs. Decree on protection of workers exposed to chemical agents (5/2020. (II.6)), Annex 1&2, as amended

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	1000 mg/m3
	TWA	500 mg/m3

Iceland. OELs. Regulation 390/2009 on Pollution Limits and Measures to Reduce Pollution at the Workplace, as amended

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

Iceland. OELs. Regulation 390/2009 on Pollution Limits and Measures to Reduce Pollution at the Workplace, as amended

Components	Type	Value
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	TWA	490 mg/m ³
		200 ppm

Ireland. OELVs, Schedules 1 & 2, Code of Practice for Chemical Agents and Carcinogens Regulations

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m ³
	TWA	1 mg/m ³
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

Italy. OELs (Legislative Decree n.81, 9 April 2008), as amended

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m ³
	TWA	1 mg/m ³
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m ³
	TWA	1 mg/m ³
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	600 mg/m ³
	TWA	350 mg/m ³

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m ³
	TWA	1 mg/m ³
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	600 mg/m ³
		250 ppm
	TWA	350 mg/m ³ 150 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	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m ³
	TWA	1 mg/m ³

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	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 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	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	TLV	1 mg/m3
	TLV	245 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)		100 ppm

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	1200 mg/m3
	TWA	900 mg/m3

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	3 mg/m3
	TWA	1 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

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

Components	Type	Value
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	500 mg/m ³
		203 ppm
	TWA	200 mg/m ³ 81 ppm

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m ³
	TWA	1 mg/m ³
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	1000 mg/m ³
		400 ppm
	TWA	500 mg/m ³ 200 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	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	TWA	1 mg/m ³
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	TWA	500 mg/m ³
		200 ppm

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m ³
	TWA	1 mg/m ³
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	1000 mg/m ³
		400 ppm
	TWA	500 mg/m ³ 200 ppm

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	Ceiling	2 mg/m ³
	TWA	1 mg/m ³
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	600 mg/m ³
		250 ppm
	TWA	350 mg/m ³ 150 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle MAK-Werte

Components	Type	Value	Form
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	4 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	1000 mg/m3	
		400 ppm	
	TWA	500 mg/m3 200 ppm	

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

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	STEL	1250 mg/m3
		500 ppm
	TWA	999 mg/m3 400 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU

Components	Type	Value
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

Biological limit values**Croatia. BELs (BGV). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and BELs, Annex IV (NN 91/2018), as amended**

Components	Value	Determinant	Specimen	Sampling Time
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	50 mg/l	Acetone	Urine	*
	50 mg/l	Acetone	Blood	*
	0,86 umol/l	Acetone	Urine	*
	0,86 umol/l	Acetone	Blood	*

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	25 mg/l	Aceton	Urine	*
	25 mg/l	Aceton	Blood	*

* - For sampling details, please see the source document.

Hungary. BELs. Decree on protection of workers exposed to chemical agents (5/2020. (II.6)), Annex 3&4, as amended

Components	Value	Determinant	Specimen	Sampling Time
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	430 µmol/l	Acetone	Urine	*
	25 mg/l	Acetone	Urine	*

* - For sampling details, please see the source document.

Spain. BELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 3-Valores Límite Biológicos (VLB)

Components	Value	Determinant	Specimen	Sampling Time
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	40 mg/l	Acetona	Urine	*

* - For sampling details, please see the source document.

Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle BAT-Werte

Components	Value	Determinant	Specimen	Sampling Time
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	25 mg/l	Aceton	Urine	*
	25 mg/l	Aceton	Blood	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines**Cyprus OEL: Skin designation**

propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0) Can be absorbed through the skin.

Hungary OELs: Skin designation

propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0) Can be absorbed through the skin.

Iceland OELs: Skin designation

propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0) Can be absorbed through the skin.

Ireland Exposure Limit Values: Skin designation

propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0) Can be absorbed through the skin.

8.2. Exposure controls

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

General information Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- **Hand protection** Wear appropriate chemical resistant gloves.

- **Other** Wear suitable protective clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

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.

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	Red
Odor	Solvent.
Melting point/freezing point	-127,3 °F (-88,5 °C) estimated
Boiling point or initial boiling point and boiling range	180,5 °F (82,5 °C)
Flammability	Not applicable.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	2 %
Explosive limit - upper (%)	12 %
Flash point	53,6 °F (12,0 °C) estimated
Auto-ignition temperature	750,2 °F (399 °C) estimated
Decomposition temperature	Not available.
pH	Not available.
Kinematic viscosity	Not available.
Solubility	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water) (log value)	Not available.
Vapor pressure	60,53 hPa estimated
Density and/or relative density	
Density	0,80 g/cm ³ estimated
Vapor density	Not available.
Particle characteristics	Not available.
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	
Specific gravity	0,8 estimated

SECTION 10: Stability and reactivity

10.1. Reactivity	The 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 avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Acids. Strong oxidizing agents. Chlorine. Isocyanates.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
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	Headache. Dizziness. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008	
Acute toxicity	Not known.

Components	Species	Test Results
phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)		
Acute		
Dermal		
LD50	Rabbit	2740 mg/kg
Inhalation		
LC50	Rabbit	1,6890000000000001 mg/l, 1 Hours
Oral		
LD50	Rat	1530 mg/kg
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)		
Acute		
Dermal		
LD50	Rabbit	12800 mg/kg
Inhalation		
LC50	Rat	51,0500000000000043 mg/l, 8 Hours
Oral		
LD50	Rat	4710 mg/kg
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.	
Skin sensitization	Due to partial or complete lack of data the classification is not possible.	
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.	
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.	
Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.	
Specific target organ toxicity - single exposure	Not applicable.	
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.	
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.	
Mixture versus substance information	No information available.	
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

12.1. Toxicity	Based on available data, the classification criteria are not met for hazardous to the aquatic environment, long term. Due to partial or complete lack of data the classification for hazardous to the aquatic environment, acute hazard, is not possible.	
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)		
propan-2-ol; isopropyl alcohol; isopropanol	0,05	
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.

12.8. Additional information

Estonia Dangerous substances in soil Data

phosphoric acid ... %, orthophosphoric acid ... % (CAS 7664-38-2)	Chemical pesticides (As the total sum of the active substances) 0,5 MG/KG Chemical pesticides (As the total sum of the active substances) 20 MG/KG Chemical pesticides (As the total sum of the active substances) 5 MG/KG
propan-2-ol; isopropyl alcohol; isopropanol (CAS 67-63-0)	Chemical pesticides (As the total sum of the active substances) 0,5 MG/KG Chemical pesticides (As the total sum of the active substances) 20 MG/KG Chemical pesticides (As the total sum of the active substances) 5 MG/KG

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.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of 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	UN1219
14.2. UN proper shipping name	Isopropanol solution, Limited Quantity
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	33
Tunnel restriction code	D/E
14.4. Packing group	II
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number	UN1219
14.2. UN proper shipping name	Isopropanol solution, Limited Quantity
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	II
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number	UN1219
14.2. UN proper shipping name	ISOPROPANOL (ISOPROPYL ALCOHOL)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3

14.4. Packing group II
14.5. Environmental hazards No.
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number UN1219
14.2. UN proper shipping name Isopropanol solution, Limited Quantity
14.3. Transport hazard class(es)
Class 3
Subsidiary risk -
14.4. Packing group II
14.5. Environmental hazards No.
ERG Code 3L
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft Allowed with restrictions.
Cargo aircraft only Allowed with restrictions.

IMDG

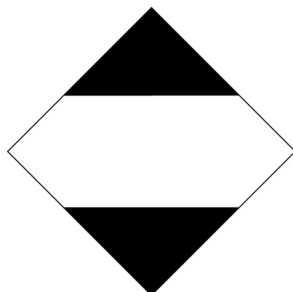
14.1. UN number UN1219
14.2. UN proper shipping name Isopropanol solution, Limited Quantity
14.3. Transport hazard class(es)
Class 3
Subsidiary risk -
14.4. Packing group II
14.5. Environmental hazards
Marine pollutant No.
EmS F-E, S-D
14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

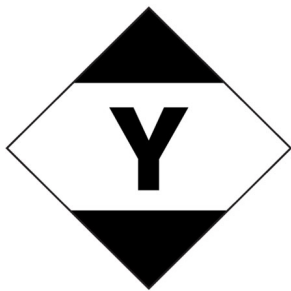
14.7. Maritime transport in bulk according to IMO instruments Not established.

ADN



ADR; 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: S520-H02F-7004-C9P9
 Belgium: S520-H02F-7004-C9P9
 Bulgaria: S520-H02F-7004-C9P9
 Croatia: S520-H02F-7004-C9P9
 Cyprus: S520-H02F-7004-C9P9
 Czech Republic: S520-H02F-7004-C9P9
 Denmark: S520-H02F-7004-C9P9
 Estonia: S520-H02F-7004-C9P9
 EU: S520-H02F-7004-C9P9
 Finland: S520-H02F-7004-C9P9
 France: S520-H02F-7004-C9P9
 Germany: S520-H02F-7004-C9P9
 Greece: S520-H02F-7004-C9P9
 Hungary: S520-H02F-7004-C9P9
 Iceland: S520-H02F-7004-C9P9
 Ireland: S520-H02F-7004-C9P9
 Italy: S520-H02F-7004-C9P9
 Latvia: S520-H02F-7004-C9P9
 Lithuania: S520-H02F-7004-C9P9
 Luxembourg: S520-H02F-7004-C9P9
 Malta: S520-H02F-7004-C9P9
 Netherlands: S520-H02F-7004-C9P9
 Norway: S520-H02F-7004-C9P9
 Poland: S520-H02F-7004-C9P9
 Portugal: S520-H02F-7004-C9P9
 Romania: S520-H02F-7004-C9P9
 Slovakia: S520-H02F-7004-C9P9
 Slovenia: S520-H02F-7004-C9P9
 Spain: S520-H02F-7004-C9P9
 Sweden: S520-H02F-7004-C9P9

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

phosphoric acid ... %, orthophosphoric acid ... % 75
(CAS 7664-38-2)

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

propan-2-ol; isopropyl alcohol; isopropanol
(CAS 67-63-0)

Affections engendrées par les solvants organiques liquides à usage professionnel : hydrocarbures liquides aliphatiques ou cycliques saturés ou insaturés et leurs mélanges; hydrocarbures halogénés liquides; dérivés nitrés des hydrocarbures aliphatiques; al 84

Product registration number

Austria	UFI: S520-H02F-7004-C9P9
Belgium	UFI: S520-H02F-7004-C9P9
Czech Republic	UFI: S520-H02F-7004-C9P9
Denmark	UFI: S520-H02F-7004-C9P9
European Union	UFI: S520-H02F-7004-C9P9
Finland	UFI: S520-H02F-7004-C9P9
France	UFI: S520-H02F-7004-C9P9
Germany	UFI: S520-H02F-7004-C9P9
Greece	UFI: S520-H02F-7004-C9P9
Hungary	UFI: S520-H02F-7004-C9P9
Italy	UFI: S520-H02F-7004-C9P9
Netherlands	UFI: S520-H02F-7004-C9P9
Norway	UFI: S520-H02F-7004-C9P9
Poland	UFI: S520-H02F-7004-C9P9
Portugal	UFI: S520-H02F-7004-C9P9
Slovakia	UFI: S520-H02F-7004-C9P9
Slovenia	UFI: S520-H02F-7004-C9P9
Spain	UFI: S520-H02F-7004-C9P9
Sweden	UFI: S520-H02F-7004-C9P9
Switzerland	UFI: S520-H02F-7004-C9P9

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

Not available.

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.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H336 May cause drowsiness or dizziness.

Revision information

None.

Training information

Follow training instructions when handling this material.

Disclaimer

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.