

SAFETY DATA SHEET

Version #: 13

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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 PhillyBond #6 Resin

Registration number -

Synonyms None.

SKU# DM012R

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

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. |

2.2. Label elements

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

Austria: HQD0-R0Y8-W000-Q9C7
Belgium: HQD0-R0Y8-W000-Q9C7
Bulgaria: HQD0-R0Y8-W000-Q9C7
Croatia: HQD0-R0Y8-W000-Q9C7
Cyprus: HQD0-R0Y8-W000-Q9C7
Czech Republic: HQD0-R0Y8-W000-Q9C7
Denmark: HQD0-R0Y8-W000-Q9C7
Estonia: HQD0-R0Y8-W000-Q9C7
EU: HQD0-R0Y8-W000-Q9C7
Finland: HQD0-R0Y8-W000-Q9C7
France: HQD0-R0Y8-W000-Q9C7
Germany: HQD0-R0Y8-W000-Q9C7
Greece: HQD0-R0Y8-W000-Q9C7
Hungary: HQD0-R0Y8-W000-Q9C7
Iceland: HQD0-R0Y8-W000-Q9C7
Ireland: HQD0-R0Y8-W000-Q9C7
Italy: HQD0-R0Y8-W000-Q9C7
Latvia: HQD0-R0Y8-W000-Q9C7
Lithuania: HQD0-R0Y8-W000-Q9C7
Luxembourg: HQD0-R0Y8-W000-Q9C7
Malta: HQD0-R0Y8-W000-Q9C7
Netherlands: HQD0-R0Y8-W000-Q9C7
Norway: HQD0-R0Y8-W000-Q9C7
Poland: HQD0-R0Y8-W000-Q9C7
Portugal: HQD0-R0Y8-W000-Q9C7
Romania: HQD0-R0Y8-W000-Q9C7
Slovakia: HQD0-R0Y8-W000-Q9C7
Slovenia: HQD0-R0Y8-W000-Q9C7
Spain: HQD0-R0Y8-W000-Q9C7
Sweden: HQD0-R0Y8-W000-Q9C7

Contains:

Epoxy Resin, Magnesium Silicate Monohydrate (Talc)

Hazard pictograms**Signal word**

Warning

Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements**Prevention**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear eye protection/face protection.
P280 Wear protective gloves.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.

Storage

Not available.

Disposal

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

Supplemental label information

98,79% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 98,79% of the mixture consists of component(s) of unknown long-term 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

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---------|-------------------------|------------------------|-----------|-------|
| Epoxy Resin | 30 - 60 | 25068-38-6 | 01-2119456619-26-0000 | - | |
| Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1;H317 | | | | | |
| Magnesium Silicate Monohydrate (Talc) | 30 - 60 | 14807-96-6 238-877-9 | - | - | |
| Classification: Carc. 2;H351 | | | | | |
| Other components below reportable levels | 1 - 5 | | | | |

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.

SECTION 4: First aid measures

General information

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 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. 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. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards

No unusual fire or explosion hazards noted.

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

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 Use water spray to cool unopened containers.

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. Do not touch or walk through spilled material.

For emergency responders Keep unnecessary personnel away. Ensure adequate ventilation. 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

Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

Small Spills: 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

Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

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 | Form |
|--|------|----------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | MAK | 2 mg/m3 | Respirable fraction. |
| | STEL | 20 mg/m3 | Inhalable fraction. |
| | | 10 mg/m3 | Respirable fraction. |

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 |
|--|------|---------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 |

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

| Components | Type | Value | Form |
|--|------|--------------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 1 fibers/cm3 | Respirable fraction. |
| | | 6 mg/m3 | Inhalable fraction. |
| | | 3 mg/m3 | Respirable fraction. |

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 | Form |
|--|------|---------|------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | MAC | 1 mg/m3 | Respirable dust. |

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

| Components | Type | Value |
|--|------|--------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 706 part/cm3 |

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 | Form |
|--|------|---------|------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Respirable dust. |

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 | Form |
|------------|------|----------|-------------|
| | | 10 mg/m3 | Total dust. |

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

| Components | Type | Value | Form |
|--|------|------------------|--------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TLV | 0,003 fibers/cm3 | Fiber. |

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

| Components | Type | Value | Form |
|--|------|---------|-----------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Inhalable dust. |
| | | 1 mg/m3 | Respirable. |

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

| Components | Type | Value | Form |
|--|------|-----------|------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | VME | 4 mg/m3 | Total dust. |
| Regulatory status: Regulatory binding (VRC) | | 0,9 mg/m3 | Respirable dust. |
| Regulatory status: Regulatory binding (VRC) | | | |

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 |
|--|------|---------|-----------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 4 mg/m3 | Inhalable dust. |

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

| Components | Type | Value | Form |
|--|------|------------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | AGW | 10 mg/m3 | Inhalable fraction. |
| | | 1,25 mg/m3 | Respirable fraction. |

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

| Components | Type | Value | Form |
|--|------|----------|-------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Respirable. |
| | | 10 mg/m3 | Inhalable |

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

| Components | Type | Value | Form |
|--|------|---------|------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Respirable dust. |

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

| Components | Type | Value | Form |
|--|------|----------------|------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 0,3 fibers/cm3 | Fiber. |
| | | 5 mg/m3 | Respirable dust. |
| | | 10 mg/m3 | Total dust. |

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

| Components | Type | Value | Form |
|--|------|-----------|-----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 10 mg/m3 | Total inhalable dust. |
| | | 0,8 mg/m3 | Respirable dust. |

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

| Components | Type | Value | Form |
|--|------|---------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Respirable fraction. |

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 | Form |
|--|------|---------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Inhalable fraction. |
| | | 1 mg/m3 | Respirable fraction. |

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

| Components | Type | Value | Form |
|--|------|------------|------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 0,25 mg/m3 | Respirable dust. |

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 | Form |
|--|------|---------|------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TLV | 6 mg/m3 | Total dust. |
| | | 2 mg/m3 | Respirable dust. |

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

| Components | Type | Value | Form |
|--|------|---------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 4 mg/m3 | Inhalable fraction. |
| | | 1 mg/m3 | Respirable fraction. |

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

| Components | Type | Value | Form |
|--|------|---------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Respirable fraction. |

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 | Form |
|--|------|---------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Respirable fraction. |

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 | Form |
|--|------|----------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Respirable fraction. |
| | | 2 mg/m3 | Respirable fraction. |
| | | 10 mg/m3 | Total |

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 | Form |
|--|------|------------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 10 mg/m3 | Inhalable fraction. |
| | | 1,25 mg/m3 | Respirable fraction. |

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

| Components | Type | Value | Form |
|--|------|---------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Respirable fraction. |

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

| Components | Type | Value | Form |
|--|------|---------|------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 2 mg/m3 | Total dust. |
| | | 1 mg/m3 | Respirable dust. |

Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle MAK-Werte

| Components | Type | Value | Form |
|--|------|---------|----------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 3 mg/m3 | Respirable fraction. |

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

| Components | Type | Value | Form |
|--|------|---------|------------------|
| Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6) | TWA | 1 mg/m3 | Respirable dust. |

| | |
|--|--|
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Recommended monitoring procedures | Follow standard monitoring procedures. |
| Derived no effect levels (DNELs) | Not available. |
| Predicted no effect concentrations (PNECs) | Not available. |
| Exposure guidelines | Occupational Exposure Limits are not relevant to the current physical form of the product. |
| 8.2. Exposure controls | |
| Appropriate engineering controls | 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). Face shield is recommended. |
| Skin protection | |
| - Hand protection | Wear appropriate chemical resistant gloves. |
| - Other | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| Hygiene measures | 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 | Solid. |
| Form | Solid. Paste. |
| Color | Off-white. |
| Odor | Slight. |
| Melting point/freezing point | Not available. |
| Boiling point or initial boiling point and boiling range | >500 °F (>260 °C) |
| Flammability | Not available. |
| Flash point | >400,0 °F (>204,4 °C) Pensky-Martens Closed Cup |
| Auto-ignition temperature | Not available. |
| 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 | 0,03 mm Hg |
| Density and/or relative density | |
| Density | 15,07 lb/gal |
| Vapor density | >1 |
| 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

| | |
|------------------|---------|
| Evaporation rate | <1 BuAc |
| Specific gravity | 1,81 |

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 | Contact with incompatible materials. |
| 10.5. Incompatible materials | Strong oxidizing agents. |
| 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 | No adverse effects due to inhalation are expected. |
| 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. 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. |
| Skin corrosion/irritation | Causes skin irritation. |
| 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 | May cause an allergic skin reaction. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Magnesium Silicate Monohydrate (Talc)
(CAS 14807-96-6)

2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans.

| | |
|---|--|
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | Due to partial or complete lack of data the classification is not possible. |
| 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. |
| 12.2. Persistence and degradability | No data is available on the degradability of any ingredients in the mixture. |
| 12.3. Bioaccumulative potential | No data available. |
| Partition coefficient n-octanol/water (log Kow) | Not available. |
| 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. |
| 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 | UN3077 |
| 14.2. UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Epoxy Resin) |
| 14.3. Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| Label(s) | 9 |
| Hazard No. (ADR) | 90 |
| Tunnel restriction code | E |
| 14.4. Packing group | III |
| 14.5. Environmental hazards | Yes |
| 14.6. Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

RID

| | |
|------------------------------------|---|
| 14.1. UN number | UN3077 |
| 14.2. UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Epoxy Resin) |
| 14.3. Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| Label(s) | 9 |
| 14.4. Packing group | III |
| 14.5. Environmental hazards | Yes |
| 14.6. Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

ADN

| | |
|------------------------------------|---|
| 14.1. UN number | UN3077 |
| 14.2. UN proper shipping name | Environmentally Hazardous Solid, N.o.s. (Epoxy Resin) |
| 14.3. Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| Label(s) | 9 |
| 14.4. Packing group | III |
| 14.5. Environmental hazards | Yes |
| 14.6. Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

IATA

| | |
|------------------------------------|---|
| 14.1. UN number | UN3077 |
| 14.2. UN proper shipping name | Environmentally hazardous substance, solid, n.o.s. (Epoxy Resin) |
| 14.3. Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| 14.4. Packing group | III |
| 14.5. Environmental hazards | Yes |
| ERG Code | 9L |
| 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 | UN3077 |
| 14.2. UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Epoxy Resin), MARINE POLLUTANT |
| 14.3. Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| 14.4. Packing group | III |

14.5. Environmental hazards

Marine pollutant

Yes

EmS

F-A, S-F

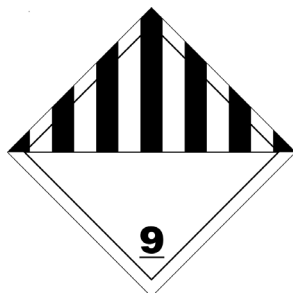
14.6. Special precautions
for user

Read safety instructions, SDS and emergency procedures before handling.

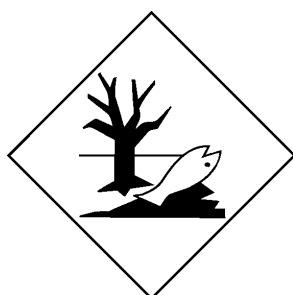
14.7. Maritime transport in bulk
according to IMO instruments

Not applicable.

ADN; ADR; IATA; IMDG; RID



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

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

Magnesium Silicate Monohydrate (Talc) (CAS 14807-96-6)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

UFI:

Austria: HQD0-R0Y8-W000-Q9C7
Belgium: HQD0-R0Y8-W000-Q9C7
Bulgaria: HQD0-R0Y8-W000-Q9C7
Croatia: HQD0-R0Y8-W000-Q9C7
Cyprus: HQD0-R0Y8-W000-Q9C7
Czech Republic: HQD0-R0Y8-W000-Q9C7
Denmark: HQD0-R0Y8-W000-Q9C7
Estonia: HQD0-R0Y8-W000-Q9C7
EU: HQD0-R0Y8-W000-Q9C7
Finland: HQD0-R0Y8-W000-Q9C7
France: HQD0-R0Y8-W000-Q9C7
Germany: HQD0-R0Y8-W000-Q9C7
Greece: HQD0-R0Y8-W000-Q9C7
Hungary: HQD0-R0Y8-W000-Q9C7
Iceland: HQD0-R0Y8-W000-Q9C7
Ireland: HQD0-R0Y8-W000-Q9C7
Italy: HQD0-R0Y8-W000-Q9C7
Latvia: HQD0-R0Y8-W000-Q9C7
Lithuania: HQD0-R0Y8-W000-Q9C7
Luxembourg: HQD0-R0Y8-W000-Q9C7
Malta: HQD0-R0Y8-W000-Q9C7
Netherlands: HQD0-R0Y8-W000-Q9C7
Norway: HQD0-R0Y8-W000-Q9C7
Poland: HQD0-R0Y8-W000-Q9C7
Portugal: HQD0-R0Y8-W000-Q9C7
Romania: HQD0-R0Y8-W000-Q9C7
Slovakia: HQD0-R0Y8-W000-Q9C7
Slovenia: HQD0-R0Y8-W000-Q9C7
Spain: HQD0-R0Y8-W000-Q9C7
Sweden: HQD0-R0Y8-W000-Q9C7

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

Not listed.

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 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.

Contains a substance which is included on the TRGS 905 list of carcinogenic, germ cell mutagenic and reproductive toxic substances

Magnesium Silicate Monohydrate (Talc)
(CAS 14807-96-6)

Anorganische Faserstäube, soweit nicht erwähnt (ausgenommen Gipsfasern und Wollastonitfasern)

France regulations

France INRS Table of Occupational Diseases

Epoxy Resin (CAS 25068-38-6)

Maladies professionnelles provoquées par les résines époxydiques et leurs constituants 51

Magnesium Silicate Monohydrate (Talc)
(CAS 14807-96-6)

Affections consécutives à l'inhalation de poussières minérales renfermant de la silice cristalline (quartz, cristobalite, tridymite), des silicates cristallins (kaolin, talc), du graphite ou de la houille 25

Product registration number

| | |
|----------------|--------------------------|
| Austria | UFI: HQD0-R0Y8-W000-Q9C7 |
| Belgium | UFI: HQD0-R0Y8-W000-Q9C7 |
| Czech Republic | UFI: HQD0-R0Y8-W000-Q9C7 |
| Denmark | UFI: HQD0-R0Y8-W000-Q9C7 |
| European Union | UFI: HQD0-R0Y8-W000-Q9C7 |
| Finland | UFI: HQD0-R0Y8-W000-Q9C7 |
| France | UFI: HQD0-R0Y8-W000-Q9C7 |
| Germany | UFI: HQD0-R0Y8-W000-Q9C7 |

| | |
|-------------|--------------------------|
| Greece | UFI: HQD0-R0Y8-W000-Q9C7 |
| Hungary | UFI: HQD0-R0Y8-W000-Q9C7 |
| Italy | UFI: HQD0-R0Y8-W000-Q9C7 |
| Netherlands | UFI: HQD0-R0Y8-W000-Q9C7 |
| Norway | UFI: HQD0-R0Y8-W000-Q9C7 |
| Poland | UFI: HQD0-R0Y8-W000-Q9C7 |
| Portugal | UFI: HQD0-R0Y8-W000-Q9C7 |
| Slovakia | UFI: HQD0-R0Y8-W000-Q9C7 |
| Slovenia | UFI: HQD0-R0Y8-W000-Q9C7 |
| Spain | UFI: HQD0-R0Y8-W000-Q9C7 |
| Sweden | UFI: HQD0-R0Y8-W000-Q9C7 |
| Switzerland | UFI: HQD0-R0Y8-W000-Q9C7 |

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.
 Not available.

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

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H351 Suspected of causing cancer.

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.