

In accordance with Regulation (EC) No. 1907/2006 as amended.
Revision date: 21/05/2025 Version: 1.0

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

1.1 Product identifier

Product name: Speedline Powerspray

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

Use of the substance/mixture: Contact adhesive.

Recommended restrictions on use: For commercial use only.

1.3 Details of the supplier of the safety data sheet

SIG Benelux

Industrieweg 17, 5145 PD Waalwijk, Netherlands

(0031) 88 6069 600 | info@sigcs.nl | www.sigbenelux.com

1.4 Emergency telephone number

Belgium

Organization: Poison Control Centre

Queen Astrid Military Hospital

Address: Bruynstraat 1, 1120 Brussels

Emergency number: +32 70 245 245

Note

For all urgent poisoning questions: +32 70 245 245 (free, 24/7), or if unavailable, +32 22 649 630 (standard rate).

Netherlands

National Poisons Information Centre (NVIC).

Telephone number: +31 88 755 8000 (available only for physicians). For medical personnel only in the event of an acute poisoning incident. The general public should contact a physician or the emergency number 112.

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

- **Aerosols, Category 1**
H222: Extremely flammable aerosol.
H229: Pressurized container: May burst if heated.
- **Skin corrosion/irritation, Category 2** H315: Causes skin irritation.
- **Eye irritation, Category 2** H319: Causes serious eye irritation.
- **Specific target organ toxicity - single exposure, Category 3,** H336: May cause drowsiness or dizziness.
- **Central nervous system (Chronic) Long-term aquatic hazard, Category 3** H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008:

- Hazard pictograms:



- **Signal word:** Danger

Hazard statements:

- H222: Extremely flammable aerosol.
- H229: Pressurized container: May burst if heated.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211: Do not spray on an open flame or other ignition source.
- P251: Do not pierce or burn, even after use.
- P261: Avoid breathing mist.
- P264: Wash skin thoroughly after handling.

Storage:

- P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Hazardous components which must be listed on the label:

- Acetone
- Naphtha, C6-C7, cyclics and isoalkanes

2.3 Other hazards

This substance/mixture does not contain any components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: This substance/mixture does not contain any components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain any components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Section 3: Composition/Information on Ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Ingredients

- **Chemical name:** acetone
- **Product identifier:** CAS No.: 67-64-1, EC No.: 200-662-2, Index No.: 606-001-00-8, Registration No.: 01-2119471330-49-0000
- **Classification:**
Flam. Liq. 2; H225
Eye Irrit. 2; H319

STOT SE 3; H336 (central nervous system)
EUH066

- **Concentration (% w/w):** $\geq 10 - < 20$
- **Chemical name:** Naphtha, C6-C7, cyclic and isoalkanes
- **Product identifier:** CAS No. 64742-49-0, EC No. 921-024-6, Index No. 649-328-00-1, Registration No. 01-2119475514-35-0000
- **Classification:**
Flam. Liq. 2; H225
Asp. Tox. 1; H304
Aquatic Chronic 2; H411
Skin Irrit. 2; H315
STOT SE 3; H336 (respiratory system)
- **Concentration (% w/w):** $\geq 10 - < 20$
- **Chemical name:** n-hexane
- **Product identifier:** CAS No. 110-54-3, EC No. 203-777-6, Index No. 601-037-00-0, Registration No. 01-2119480412-44-0000
- **Classification:**
Flam. Liq. 2; H225
Skin Irrit. 2; H315
Repr. 2; H361f
STOT SE 3; H336 (central nervous system)
STOT RE 2; H373
Asp. Tox. 1; H304
Aquatic Chronic 2; H411
- **Specific concentration limits:** STOT RE 2; H373: $\geq 5\%$
- **Concentration (% w/w):** $\geq 0.25 - < 1$

For explanation of abbreviations, see section 16.

Section 4: First aid measures

4.1 Description of first aid measures

- **General advice:** If spilled on clothing, remove clothing. Show this safety data sheet to the attending physician. Symptoms of poisoning may appear even after several hours; therefore, medical observation should be maintained for at least 48 hours after the accident.
- **If inhaled:** Remove the victim to fresh air. If symptoms persist, seek medical attention. If breathing has stopped, administer artificial respiration. If the patient becomes unconscious, place the patient in a stable side position for transport.
- **If on skin:** Wash immediately with soap and plenty of water and remove all contaminated clothing and shoes. Consult a physician if irritation occurs and persists.
- **If in eyes:** Flush eyes with water for at least 15 minutes. Seek medical attention if eye irritation occurs or persists.
- **If swallowed:** Do NOT induce vomiting. If swallowed, seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Hazards: Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: No additional information available.

Section 5: Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media:** Use extinguishing media appropriate to local circumstances and the surrounding environment. Water spray, dry chemical, carbon dioxide

(CO₂), alcohol-resistant foam.

- **Unsuitable extinguishing media:** Do NOT use a water jet.

5.2 Special hazards arising from the substance or mixture

- **Specific hazards during firefighting:** May release toxic, irritating, and/or corrosive gases. In the event of fire, the following substances are formed/the formation of the following substances is possible: carbon monoxide.

5.3 Advice for firefighters

- **Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
- **Further information:** In the event of fire, wear self-contained breathing apparatus. Combustion residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

- **Personal precautions:** Remove all sources of ignition. Wear personal protective equipment. Wear respiratory protection to protect against the effects of vapors/dust/aerosols. Evacuate personnel to a safe area. Ensure adequate ventilation.

6.2 Environmental Precautions

- **Environmental precautions:** If the product contaminates rivers, lakes, or sewers, notify the relevant authorities.

6.3 Methods and Materials for Containment and Cleaning Up

- **Methods for Cleaning Up:** Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust). Use only non-sparking tools. Ensure adequate ventilation. Send for recovery or disposal in suitable containers.

6.4 Reference to other sections

See protective measures in Sections 7 and 8.
For disposal instructions, see Section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

- **Local/total exhaust ventilation:** Use only with adequate ventilation.
- **Advice on safe handling:** Avoid formation of dust and aerosols. Observe the emission threshold. Use solvent-resistant equipment. Ensure that suitable exhaust ventilation is present on processing machines. Handle with care. Keep an eyewash bottle available at the workplace. Avoid release to the environment. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition; do not smoke. Keep out of reach of children. Use only with adequate ventilation. Advice on protection against fire and explosion: Keep product and empty packaging away from heat and ignition sources. Do not smoke. Take measures to prevent the build-up of electrostatic charges. May form explosive mixtures in air. Processing releases highly volatile, flammable components. In the event of fire and/or explosion, avoid inhaling fumes. Keep breathing apparatus at hand. Keep fire extinguishing equipment at hand in case of a fire nearby.

7.2 Conditions for safe storage, including any incompatibilities

- **Requirements for storage areas and containers:** Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Keep tightly closed in a dry, cool, and well-ventilated place. Protect from light.
- **Further information on storage conditions:** Keep containers tightly closed in a dry, cool, and well-ventilated place. Store in a cool place. Heat will increase pressure and may cause the container to explode.
- **Advice on mixed storage:** Do not store together with oxidizing or spontaneously combustible products.

7.3 Specific end use(s)

No further relevant information available.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Occupational Exposure Limits

- **Components:** Petroleum gases, liquefied (Liquefied gas)
- **CAS No.:** 68476-85-7
- **Type of value (route of exposure):** TWA-8 h (Mists)
- **Control parameters:** 5 mg/m³
- **Base:** NL WG

- **Components:** acetone

- **CAS No.:** 67-64-1
- **Type of value (route of exposure):** TWA
- **Control parameters:** 500 ppm, 1,210 mg/m³
- **Base:** 2000/39/EC

Further information: Indicative

- **Type of value (route of exposure):** TWA-8 h
 - **Control parameters:** 500 ppm, 1,210 mg/m³
 - **Base:** NL WG
 - **Type of value (route of exposure):** TWA-15 min.
 - **Control parameters:** 1,000 ppm, 2,420 mg/m³
 - **Base:** NL WG
 - **Components:** Naphtha, C6-C7, cyclics and isoalkanes
 - **CAS No.:** 64742-49-0
 - **Type of value (route of exposure):** TWA-8 h (Mists)
 - **Control parameters:** 5 mg/m³
 - **Base:** NL WG
 - **Components:** n-hexane
 - **CAS No.:** 110-54-3
 - **Type of value (route of exposure):** TWA
 - **Control parameters:** 20 ppm, 72 mg/m³
 - **Base:** 2006/15/EC
- Further information: indicative**
- **Value type (route of exposure):** 8-hour TWA
 - **Control parameters:** 20 ppm, 72 mg/m³
 - **Base:** NL WG
 - **Value type (route of exposure):** 15-minute TWA
 - **Control parameters:** 40 ppm, 144 mg/m³
 - **Base:** NL WG

Derived No Effect Levels (DNEL) in accordance with Regulation (EC) No. 1907/2006:

Substance name: acetone

End use: workers

Route of exposure	Potential health effects	Value
Inhalation	Local, short-term	2420 mg/m ³
Inhalation	Systemic, long-term	1210 mg/m ³
Eye contact	Toxicity, local effects	-
Skin	Systemic, long-term	186 mg/m ³

Substance name: Naphtha, C6-C7, cyclics and isoalkanes

End use: workers

Route of exposure	Potential health effects	Value
Eye contact	Toxicity, local effects	-
Skin	Systemic, long-term	300 mg/kg
Inhalation	Systemic, short-term	1286.4 mg/m ³
Inhalation	Local, long-term	837.5 mg/m ³
Inhalation	Local, short-term	1066.67 mg/m ³
Inhalation	Systemic, long-term	1.9 mg/m ³

Predicted No-Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name: acetone

Environmental Compartment	Value
Soil	29.5 mg/kg
Sewage treatment plant	100 mg/l
Freshwater	10.6 mg/l
Freshwater sediment	30.4 mg/kg
Marine water	1.06 mg/l
Marine sediment	3.04 mg/kg

Substance name: resin acids and resin acids, esters with glycerol

Environmental Compartment	Value
Soil	462.06 mg/kg
Freshwater sediment	2317.75 mg/kg
Marine sediment	231.78 mg/kg
Marine water	0.01 mg/l
Sewage treatment plant	2.525 mg/l
Freshwater	0.1 mg/l

8.2 Exposure controls

8.2.1 Engineering measures

Observe national and local requirements.

8.2.2 Personal protective equipment

- **Eye protection:** Tight-fitting safety goggles or equipment with greater protection.
- **Hand protection:** Material: Nitrile rubber or equipment with greater protection.

Remarks:

- Direct contact with the product must be avoided by organizational measures. The glove material must be impermeable and resistant to the product/substance/preparation. The actual breakthrough time can be obtained from the manufacturer of the protective gloves and must be observed.
- The gloves should be discarded after the breakthrough time and then replaced with new ones. Before working with gloves, use skin protection products to prevent skin swelling. After working, use cleansing and then skin care products.

- For permanent contact, gloves made of the following materials are suitable: If prolonged exposure to the chemical is necessary, a sturdy overglove to protect against mechanical stress is recommended in combination with the Barrier 02-100 underglove from Ansell or other suppliers (penetration time: 480 min).
- For permanent contact of up to 15 minutes, gloves made of the following materials are suitable: Butyl rubber (minimum thickness: 0.7 mm; penetration time: 15 min).
- For splash protection, gloves made of the following materials are suitable: Nitrile (minimum thickness 0.12 mm), disposable gloves with long cuffs.
- After contact with the chemical, immediately remove the disposable nitrile glove and put on a new disposable nitrile glove.
- **Skin and body protection:** Protective clothing.
- **Respiratory protection:** Use respiratory protection unless adequate risk management measures (exhaust/ventilation) are in place or an exposure assessment shows that exposure remains within the recommended exposure guidelines. In the case of short-term exposure or low contamination (exceeding the TLV), use respirators. In the case of intense or prolonged exposure, use respirators independent of circulating air. Ensure that suitable exhaust ventilation is present on processing equipment.
Filter type: Combined particles and organic vapors or equipment with better protection (A-P).

8.2.3 Protective measures

- Keep away from food, drink, and animal feed.
- Remove soiled or impregnated clothing immediately.
- Wash hands before breaks and immediately after handling the product.
- Avoid contact with eyes and skin.
- Store protective clothing separately.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

- **Physical state:** Aerosol.
- **Color:** Natural.
- **Odor:** Characteristic.
- **Odor threshold:** Not determined.
- **Melting point/freezing point:** Not determined.
- **Boiling point/boiling range:** -40°C
- **Flash point:** <-60°C
- **Autoignition temperature:** Not determined.
- **Decomposition temperature:** Not applicable.
- **pH:** Not determined.
- **Solubility in water:** Immiscible or difficult to mix.
- **n-octanol/water partition coefficient:** No data available.
- **Density:** 0.84 g/cm³
- **Relative vapor density:** Not determined.

9.2 Other information

- **Explosives:** Product is not explosive. However, formation of explosive vapor/air mixtures is possible.
- **Evaporation rate:** Not determined.

Section 10: Stability and Reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

No decomposition when used according to specifications.

10.3 Possibility of hazardous reactions

Emits highly flammable vapors.

10.4 Conditions to avoid

Heat may cause a dangerous build-up of pressure in a closed container.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

Section 11: Toxicological information

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

- **Acute toxicity:** based on available data;
- **the classification criteria are not met.**

Components

n-Hexane	
Acute dermal toxicity	
LD50 skin - rabbit	3,000 mg/kg

- **Skin corrosion/irritation:** Causes skin irritation.
- **Serious eye damage/irritation:** Causes serious eye irritation.

Respiratory/skin sensitization

- **Skin sensitization:** Based on available data; the classification criteria are not met.
- **Respiratory sensitization:** Based on available data; the classification criteria are not met.
- **Germ cell mutagenicity:** Based on available data; the classification criteria are not met.
- **Carcinogenicity:** Based on available data; the classification criteria are not met.
- **Reproductive toxicity:** Based on available data; the classification criteria are not met.
- **STOT-single exposure:** May cause drowsiness or dizziness.
- **STOT-repeated exposure:** Based on available data; the classification criteria are not met.
- **Aspiration toxicity:** Based on available data; the classification criteria are not met.

11.2 Information on other hazards

Assessment: The substance/mixture does not contain any components considered to have endocrine-disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a level of 0.1% or higher.

Section 12: Ecological Information

12.1 Toxicity

Components

n-Hexane	
Toxicity to fish	
LC50 - Pimephales promelas (fathead minnow)	2.1 - 2.98 mg/l
Exposure time	96 h
Test type	Flow-through test

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

Components

acetone	
Partition coefficient: n-octanol/water	log Pow: -0.24
Naphtha, C6-C7, cyclics and isoalkanes	
Partition coefficient: n-octanol/water log	Pow: 2.2 - 6.1 (23°C) pH: 6.2 GLP: yes

12.4 Mobility in soil

Mobility: environment: soil

Remarks: Do not allow the product to enter groundwater, water bodies, or sewage systems.

12.5 Results of PBT and vPvB assessment

Assessment: This substance/mixture does not contain any components considered to be persistent, bioaccumulative, and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Assessment: The substance/mixture does not contain any components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available.

Section 13: Disposal considerations

13.1 Waste treatment methods

- **Product:** Do not dispose of together with household waste. Do not discharge waste into sewerage. Hand over to hazardous waste disposal companies. Waste generation should be avoided or minimized wherever possible. Incinerate under controlled conditions in accordance with all local and national laws and regulations. Dispose of waste according to government regulations. These EU waste code numbers are recommendations for waste generated during the application of adhesives and sealants. If organic solvents or other hazardous substances are listed under Section 3 of this safety data sheet, the resulting waste must be considered hazardous (*).
- **Waste generated during application:** 080409* Waste adhesive or sealant compositions containing organic solvents or other hazardous substances. 08 04 10 Waste adhesive or sealant compositions, except those falling under entry 08 04 09.
- **Wastes generated during cleaning:** 08 04 11* Sludge containing adhesives and sealants, containing organic solvents or other dangerous substances. 08 04 12 Sludge containing adhesives and sealants, except sludge falling under entry 080411.
- **Contaminated packaging waste:** 15 01 10* Packaging containing residues of or contaminated by dangerous substances.
- **Clean packaging waste:** 15 01 01 Paper and cardboard packaging. 15 01 02 Plastic packaging. 15 01 04 Metal packaging.
- **Contaminated packaging:** Dispose of in accordance with official regulations.

Section 14: Transport Information

14.1 UN number or ID number

ADN: UN 1950
ADR: UN 1950
RID: UN 1950
IMDG: UN 1950
IATA: UN 1950

14.2 Proper shipping name according to the UN Model Regulations

ADN: Aerosols
ADR: Aerosols
RID: Aerosols
IMDG: Aerosols
IATA: Aerosols, flammable

14.3 Transport hazard class(es)

ADN: 2
ADR: 2
RID: 2
IMDG: 2.1
IATA: 2.1

14.4 Packing group

ADN	
Packing group	Not assigned by regulation.
Classification code	5F
Labels	2.1
ADR	
Packing group	Not assigned by regulation.
Classification Code	5F
Labels	2.1
Tunnel Restriction Code	(D)
RID	
Packing Group	Not assigned by regulation.
Classification Code	5F
Hazard Identification No.	23
Labels	2.1
IMDG	
Packing Group	Not assigned by regulation.
Labels	2.1
EmS Code	F-D, S-U
IATA (cargo)	
Packing Instruction (cargo aircraft)	203
Packing Instruction (LQ)	Y203
Packing Group	Not assigned by regulation.
Labels	Flammable Gas
IATA (passenger)	
Packing Instruction (passenger aircraft)	203
Packing Instruction (LQ)	Y203
Packing Group	Not assigned by regulation.
Labels	Flammable Gas

14.5 Environmental Hazards

ADN: Environmentally Hazardous: No
ADR: Environmentally Hazardous: No
RID: Environmentally Hazardous: No
IMDG: Marine Pollutant: No

14.6 Special Precautions for User

The transport classification(s) given herein are for information purposes only and are based solely on the properties of the unpackaged material as described in this safety data sheet. Transport classifications may vary depending on the mode of transport, the size of the packaging, and variations in regional or national regulations.

14.7 Bulk Sea Transport in Accordance with IMO Instruments

Not applicable for product as supplied.

Section 15: Regulatory Information

15.1 Safety, health, and environmental regulations and legislation specific to the substance or mixture

- REACH - Restrictions on the manufacture, placing on the market, and use of certain dangerous substances, mixtures, and articles (Annex XVII): not applicable.
- REACH - Candidate List of Substances of Very High Concern for Authorization (SVHC, Article 59): compliant.
- Regulation (EC) No 2024/590 on substances that deplete the ozone layer: compliant.
- Regulation (EU) 2019/1021 on persistent organic pollutants (recast): compliant.
- Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: neither prohibited nor restricted.

Netherlands

- Substances of Very High Concern (SVHC list): petroleum gases, liquefied (Liquefied) gas, naphtha, C6-C7, cyclics and isoalkanes.
- Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, Annex II: compliant.
- Council Regulation (EC) No 273/2004 on drug precursors: compliant.
- Regulation (EU) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: not applicable.
- Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: acetone. REACH - List of substances subject to authorization (Annex XIV): in accordance with Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.
- This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, significant disappearances, and thefts must be reported to the relevant national contact point: acetone (ANNEX II).
- Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances: P3a FLAMMABLE AEROSOLS.

General Assessment Methodology (GAM)

- Water hazard: Z1 Non-degradable substances with hazardous properties for humans and the environment (carcinogenicity/mutagenicity/reproductive toxicity/bioaccumulative potential/toxicity or persistence).
- Remediation effort: Z.
- Volatile organic compounds: Directive 2010/75/EU of 24 November 2010 on industrial emissions and emissions from livestock farming (integrated pollution prevention and control). Volatile organic compound (VOC) content: 38.99%.

Other regulations:

- Consider Directive 94/33/EC on the protection of young people at work or stricter national legislation, if applicable.
- Contains a substance subject to the SZW list of mutagenic substances (Ministry of Social Affairs and Employment): naphtha (petroleum), hydrotreated light hydrogenated naphtha, low boiling point, 1,3-butadiene.
- Contains a substance subject to the SZW list of carcinogenic substances (Ministry of Social Affairs and Employment): 1,3-butadiene.
- Contains a substance subject to a non-exhaustive list of toxic substances for reproduction (Ministry of Social Affairs and Employment): n-hexane.

The components of this product are included in the following lists:

- REACH: on or in compliance with the list.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this mixture.

Section 16: Other information

Full text of H-statements:

- **H225:** Highly flammable liquid and vapour.
- **H304:** May be fatal if swallowed and enters airways.
- **H315:** Causes skin irritation.
- **H319:** Causes serious eye irritation.
- **H336:** May cause drowsiness or dizziness.
- **H361f:** Suspected of damaging fertility.
- **H373:** May cause damage to organs through prolonged or repeated exposure.
- **H411:** Toxic to aquatic life with long lasting effects.
- **EUH066:** Repeated exposure may cause skin dryness or cracking.

Full text of other abbreviations:

- **Aquatic Chronic:** Long-term (chronic) aquatic hazard.
- **Asp. Tox.:** Aspiration hazard.
- **Eye Irrit.:** Eye irritation.
- **Flam. Liq.:** Flammable liquids.
- **Repr.:** Reproductive toxicity.
- **Skin Irrit.:** Skin corrosion/irritation.
- **STOT RE:** Specific target organ toxicity - repeated exposure.
- **STOT SE:** Specific target organ toxicity - single exposure.
- **2000/39/EC:** Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.
- **2006/15/EC:** Indicative occupational exposure limit values.
- **NL WG:** Working conditions - Statutory limit values.
- **2000/39/EC / TWA:** Limit values - 8 hours.
- **2006/15/EC / TWA:** Limit values - 8 hours.
- **NL WG / TWA-8 hours:** Time-weighted average - 8 hours.
- **NL WG / TWA-15 min:** Time-weighted average - 15 min.
- **ADN:** European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
- **ADR:** Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement).
- **AiIC:** Australian Inventory of Industrial Chemicals.
- **ASTM:** American Association for Testing Materials.
- **bw:** Body weight.
- **CLP:** Classification, Labeling and Packaging Regulation; Regulation (EC) No 1272/2008.
- **CMR:** Carcinogenic, mutagenic or toxic to reproduction.
- **DIN:** Standard of the German Institute for Standardization.
- **DSL:** List of Indoor Use Substances (Canada).
- **ECHA:** European Chemicals Agency.
- **EC-Number:** EINECS number.
- **ECx:** Concentration associated with x% response.
- **ELx:** Loading capacity associated with x% response.
- **EmS:** Emergency schedule.
- **ENCS:** Existing and New Chemical Substances (Japan).
- **ErCx:** Concentration associated with x% growth response.
- **GHS:** Globally Harmonized System.
- **GLP:** Good Laboratory Practice.
- **IARC:** International Agency for Research on Cancer.
- **IATA:** Association for International Air Transport.
- **IBC:** IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
- **IC50:** Half-Maximum Inhibitory Concentration.
- **ICAO:** International Civil Aviation Organization.

- **IECSC:** Inventory of Existing Chemical Substances in China.
- **IMDG:** International Maritime Dangerous Goods.
- **IMO:** International Maritime Organization.
- **ISHL:** Industrial Safety and Health Act (Japan).
- **ISO:** International Organization for Standardization.
- **KECI:** Korean Inventory of Existing Chemicals.
- **LC50:** Lethal Concentration for 50% of a Test Population.
- **LD50:** Lethal dose for 50% of a test population (median lethal dose).
- **MARPOL:** International Convention for the Prevention of Pollution from Ships.
- **n.o.s.:** Not otherwise specified.
- **NO(A)EC:** No observable (adverse) effect on concentration.
- **NO(A)EL:** No observable (adverse) effect on level.
- **NOELR:** No observable effect on cargo capacity.
- **NZIoC:** New Zealand Inventory of Chemicals.
- **OECD:** Organisation for Economic Co-operation and Development.
- **OPPTS:** Office for Chemical Safety and Pollution Prevention.
- **PBT:** Persistent, Bioaccumulative, and Toxic.
- **PICCS:** Philippine Inventory of Chemicals and Chemical Substances.
- **(Q)SAR:** (Quantitative) Structure-Activity Relationship.
- **REACH:** Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
- **RID:** Regulation concerning the International Carriage of Dangerous Goods by Rail (RID).
- **SADT:** Self-Accelerating Decomposition Temperature.
- **SDS:** Safety Data Sheet.
- **SVHC:** Substance of Very High Concern.
- **TCSI:** Taiwan Inventory of Chemical Substances.
- **TECI:** Inventory of Existing Chemical Substances in Thailand.
- **TRGS:** Technical Regulation for Hazardous Substances.
- **TSCA:** Control of Toxic Substances Act (US).
- **UN:** United Nations.
- **vPvB:** Very Persistent and Very Bioaccumulative.

Further Information

This safety data sheet contains only safety-related information and is not a substitute for product information or specifications.

Preparation classification		Classification procedure
Aerosol 1	H222, H229	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method
Aquatic Chronic 3	H412	Calculation method

Disclaimer

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