

## SAFETY DATA SHEET

### Section 1. Identification

**Product identifier** : HRED525  
**Product name** : U-POL BPO HARDENER  
**Other means of identification** : H3840/S; HAR/DISP; HAR/WHITE; HRED/L; HRED/LB; HWHITE/L  
**Date of issue** : 14 January 2026  
**Version** : 3.03

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

**Identified uses** : Coating component.  
**Uses advised against** : Not for sale to or use by consumers.

**Supplier's details** : U-POL AUSTRALIA PTY LTD.  
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**Product information** : (855) 6-AXALTA

**Emergency telephone number** : Australia (CHEMTREC): + (61) - 290372994  
New Zealand (National Poisons Centre): 0800 764 766

### Section 2. Hazard(s) identification

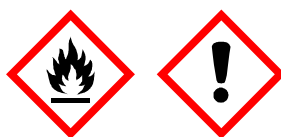
Classified as **HAZARDOUS** according to the GHS criteria under Australian Work Health Safety (WHS) Act 2011.

Classified as **DANGEROUS GOODS** according to the Australian Dangerous Goods (ADG).

**Classification of the substance or mixture** : ORGANIC PEROXIDES - Type E  
ACUTE TOXICITY (oral) - Category 4  
ACUTE TOXICITY (inhalation) - Category 4  
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A  
SKIN SENSITISATION - Category 1

#### GHS label elements

**Hazard pictograms** :



**Signal word** : **WARNING**

## Section 2. Hazard(s) identification

<b>Hazard statements</b>	: H242 - Heating may cause a fire. H302 + H332 - Harmful if swallowed or if inhaled. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.
<b><u>Precautionary statements</u></b>	
<b>Prevention</b>	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P234 - Keep only in original packaging. P261 - Avoid breathing dust. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves, protective clothing and eye or face protection.
<b>Response</b>	: P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell. P362 + P364 - Take off contaminated clothing and wash it before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
<b>Storage</b>	: P403 - Store in a well-ventilated place. P420 - Store separately.
<b>Disposal</b>	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	: Not applicable.

**Other hazards which do not result in classification** : None known.

## Section 3. Composition and ingredient information

**Substance/mixture** : Mixture

Ingredient name	% (w/w)	CAS number
dibenzoyl peroxide	30 - <60	94-36-0
dimethyl phthalate	10 - <30	131-11-3
ethanediol	5 - <10	107-21-1

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.**

**The total concentration of ingredients in this product, reported or not in this section, is 100%.**

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
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## Section 4. First aid measures

- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Harmful if inhaled.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : Harmful if swallowed.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

## Section 4. First aid measures

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : Runoff to sewer may create fire or explosion hazard. This material increases the risk of fire and may aid combustion. Heating may cause a fire. May re-ignite itself after fire is extinguished. Hazardous decomposition may occur.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Hazchem code** : 1W

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

**Small spill** : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid contamination with reactive substances. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

## Section 6. Accidental release measures

- Large spill** : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid contamination with reactive substances. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Keep away from clothing, incompatible materials and combustible materials. Temperature control may be required. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : To avoid the risk of formation of shock-sensitive crystals or loss of stability, it is important to store the product within the recommended temperature range. Temperature control may be required. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store at temperatures not exceeding 25°C/77°F. Eliminate all ignition sources. Separate from reducing agents and combustible materials. Keep away from rust, iron and copper. Keep container tightly closed and sealed until ready for use. Prevent product contamination. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
dibenzoyl peroxide	<b>Safe Work Australia (Australia, 1/2024)</b> Sensitiser. TWA 8 hours: 5 mg/m <sup>3</sup> .
dimethyl phthalate	<b>Safe Work Australia (Australia, 1/2024)</b> TWA 8 hours: 5 mg/m <sup>3</sup> .
ethanediol	<b>Safe Work Australia (Australia, 1/2024)</b> Absorbed through skin. STEL 15 minutes: 104 mg/m <sup>3</sup> . Form: Vapour.

## Section 8. Exposure controls and personal protection

TWA 8 hours: 52 mg/m<sup>3</sup>. Form: Vapour.  
 TWA 8 hours: 20 ppm. Form: Vapour.  
 STEL 15 minutes: 40 ppm. Form: Vapour.  
 TWA 8 hours: 10 mg/m<sup>3</sup>. Form: Particulate.

### Biological exposure indices

No exposure indices known.

- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. Use with adequate ventilation.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: Solid.
<b>Colour</b>	: Red.
<b>Odour</b>	: Not available.
<b>Odour threshold</b>	: Not available.
<b>pH</b>	: 4 to 5
<b>Melting point</b>	: Technically not possible to measure
<b>Boiling point</b>	: Not applicable.
<b>Flash point</b>	: Closed cup: Not applicable. [Product does not sustain combustion.]
<b>Evaporation rate</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Lower and upper explosive (flammable) limits</b>	: Not available.
<b>Vapour pressure</b>	: 0.35 kPa (2.63 mm Hg)
<b>Vapour density</b>	: Not applicable.
<b>Density</b>	: 1.2 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	: Not available.
<b>Partition coefficient: n-octanol/water</b>	: Not applicable.
<b>Auto-ignition temperature</b>	: 80°C (176°F)
<b>Decomposition temperature</b>	: Not applicable.
<b>Viscosity</b>	: Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C (104°F)): Not available.
<b>Flow time (ISO 2431)</b>	: Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: This product, in laboratory testing, neither detonates nor deflagrates and only shows low or no effect when heated under confinement.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Hazardous reactions or instability may occur under certain conditions of storage or use. Conditions may include the following: temperature increase high temperature Reactions may include the following: hazardous decomposition risk of causing fire
<b>Conditions to avoid</b>	: Avoid all possible sources of ignition (spark or flame). Avoid increased storage temperature.

## Section 10. Stability and reactivity

**Incompatible materials** : Reactive or incompatible with the following materials:  
 combustible materials  
 reducing materials  
 copper  
 iron  
 rust

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result
dibenzoyl peroxide	<b>Rat - Oral - LD50</b> 6400 mg/kg
dimethyl phthalate	<b>Rat - Oral - LD50</b> 6800 mg/kg <u>Toxic effects:</u> Behavioral - Somnolence (general depressed activity) Behavioral - Withdrawal Gross Metabolite Changes - Weight loss or decreased weight gain
ethanediol	<b>Rat - Oral - LD50</b> 4700 mg/kg

#### Skin corrosion/irritation

Product/ingredient name	Result
ethanediol	<b>Rabbit - Skin - Mild irritant</b> <u>Amount/concentration applied:</u> 555 mg

#### Serious eye damage/eye irritation

Product/ingredient name	Result
dibenzoyl peroxide	<b>Rabbit - Eyes - Mild irritant</b> <u>Duration of treatment/exposure:</u> 24 hours <u>Amount/concentration applied:</u> 500 mg

#### Respiratory corrosion/irritation

Not available.

#### Respiratory or skin sensitization

Not available.

#### Germ cell mutagenicity

Not available.

#### Carcinogenicity

Not available.

## Section 11. Toxicological information

### Reproductive toxicity

Not available.

### Specific target organ toxicity (single exposure)

#### Product/ingredient name

ethanediol

#### Result

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on likely routes of exposure

Not available.

### Potential acute health effects

- Eye contact** : Causes serious eye irritation.  
**Inhalation** : Harmful if inhaled.  
**Skin contact** : May cause an allergic skin reaction.  
**Ingestion** : Harmful if swallowed.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

## Section 11. Toxicological information

Not available.

<b>General</b>	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	1470.59 mg/kg
Inhalation (dusts and mists)	1.72 mg/l

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result
dibenzoyl peroxide	<b>LC50</b> Fish 0.06 mg/l [96 hours]
-	<b>EC50</b> Daphnia 0.11 mg/l [48 hours]
-	<b>EC10</b> Daphnia 0.001 mg/l [21 days]
-	<b>EC50</b> OECD 201 Algae - <i>Pseudokirchneriella subcapitata</i> 0.06 mg/l [72 hours]
dimethyl phthalate	<b>Chronic - NOEC - Fresh water</b> Daphnia - Water flea - <i>Daphnia magna</i> Age: ≤24 hours 9.6 mg/l [21 days] Effect: Mortality
-	<b>Chronic - NOEC - Fresh water</b> US EPA, ASTM Fish - Rainbow trout, donaldson trout - <i>Oncorhynchus mykiss</i> - Embryo Age: <4.5 hours 11 mg/l [102 days] Effect: Mortality
-	<b>Acute - EC50 - Fresh water</b> US EPA Daphnia - Water flea - <i>Daphnia magna</i> Age: ≤24 hours 45.9 mg/l [48 hours] Effect: Intoxication
-	<b>Acute - LC50 - Marine water</b> US EPA

## Section 12. Ecological information

-	Fish - Sheepshead minnow - <i>Cyprinodon variegatus</i> - Juvenile (Fledgling, Hatchling, Weanling) 29 mg/l [96 hours] Effect: Mortality <b>Acute - EC50 - Fresh water</b>
-	Algae - Green algae - <i>Raphidocelis subcapitata</i> 33.3 mg/l [96 hours] Effect: Population <b>Chronic - EC10 - Fresh water</b>
-	ISO Algae - Green algae - <i>Raphidocelis subcapitata</i> - Exponential growth phase 50.4 mg/l [72 hours] Effect: Population <b>Acute - LC50 - Fresh water</b>
ethanediol	Fish - Fathead minnow - <i>Pimephales promelas</i> Age: ≤7 days 8050 mg/l [96 hours] Effect: Mortality <b>Acute - LC50 - Fresh water</b>
-	Crustaceans - Water flea - <i>Ceriodaphnia dubia</i> - Neonate 6900 mg/l [48 hours] Effect: Mortality

### Persistence and degradability

Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
dibenzoyl peroxide	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
dibenzoyl peroxide	3.2	-	Low
dimethyl phthalate	1.54	57	Low
ethanediol	-1.36	-	Low

### Mobility in soil

Soil/water partition coefficient : Not available.





### Other adverse effects

No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	ADG	IMDG	IATA
<b>UN number</b>	UN3108	UN3108	UN3108
<b>UN proper shipping name</b>	ORGANIC PEROXIDE TYPE E, SOLID	ORGANIC PEROXIDE TYPE E, SOLID	Organic peroxide type E, solid
<b>Transport hazard class(es)</b>	5.2 	5.2  	5.2 
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.

### Additional information

**IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.  
**Emergency schedules** F-J, S-R  
**Special provisions** 122, 274

**IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.  
**Quantity limitation** Passenger and Cargo Aircraft: 10 kg. Packaging instructions: 570. Cargo Aircraft Only: 25 kg. Packaging instructions: 570. Limited Quantities - Passenger Aircraft: Forbidden. Packaging instructions: Forbidden.  
**Special provisions** A20, A802

**Hazchem code** : 1W

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not available.

## Section 14. Transport information

The actual shipping description for this product may vary based several factors including, but not limited to, the volume of material, size of the container, mode of transport and use of exemptions or exceptions found in the applicable regulations. The information provided in Section 14 is one possible shipping description for this product. Consult your shipping specialist or supplier for appropriate assignment information.

## Section 15. Regulatory information

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

## Section 16. Any other relevant information

### History

**Date of issue** : 14 January 2026

**Key to abbreviations** :

- ACGIH = Association Advancing Occupational and Environmental Health
- ADG = Australian Dangerous Goods
- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- DFG = Deutsche Forschungsgemeinschaft, German research funding organization
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MAK value = Maximum Permissible Concentration
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- STEL = Short-Term Exposure Limit
- TLV = Threshold Limit Value
- TWA = Time-Weighted Average

▣ Indicates information that has changed from previously issued version.

### Notice to reader

This product is intended for industrial use only.

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