

Safety Data Sheet (SDS)

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1 Identification of the chemical & supplier contact information

Trade Name	Blazingstar Gel Polish
Product Number:	B500,B502,B505,B506,B507,B508,B521,B523,B524,B525,B530,B538,B539,B543,B549,B550,B553,B554,B557,B567,B573,B574,B581,B582,B583,B585,B600-G,B656,B659,B665,B701,B702,B703,B704,B711,B714,B716,B717,B721, ,B732,B733,B734,B736,B739,B740,B744,B746,B747,B748,B749,B750,B751,B752,B753,B754,B755,B756,B757,B758,B759,B760,B761,B762,B763,B764,B765,B766,B768,B769,B772,B773,B774,B775,B776
Relevant identified uses of the substance or mixture and uses advised against:	No further relevant information availables
Product Description	Solvent Mixture
Application of the substance / the mixture	Cosmetic Use Only.
Details of the Supplier	VL London Limited 1 Estate Way London E10 7JN United Kingdom
Emergency telephone number	NPIS Emergency Response: United Kingdom – +44 (0) 344 892 0111

2 Hazards Identification

Classification of the substance or mixture according to Regulation (EC) No. 1272/2008 [CLP/GHS]	
Flam Liq. 3	H226
Acute Tox. 4	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Aquatic Acute.1	H400
Skin Sens.1A	H317
Aquatic Acute.1	H400
Aquatic Chronic.1	H410

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Label elements	The product is classified and labelled according to the Globally Harmonized System (GHS).
Hazard pictograms	
Signal word	Warning
Hazard statements	<ul style="list-style-type: none"> • Harmful if inhaled. • Causes serious eye irritation. Causes skin irritation. • May Cause an allergic skin reaction. • Harmful to aquatic life with long lasting effects.
Precautionary statements	
General	N/A
Prevention	<ul style="list-style-type: none"> • Wear protective gloves. • Wear eye protection / face protection.



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	<ul style="list-style-type: none"> Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Avoid release to the environment
Response	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN (or hair): Take off immediately all contaminated clothing
Storage	Keep cool
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	Not applicable
Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.	Not applicable
Tactile warning of danger	Not applicable
Other hazards which do not result in classification	None known

3 Composition of ingredients (chemical identity, CAS number)

Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Chemical characterization:		CAS/EC/Index	%	Warnings
Di-HEMA trimethylhexyl dicarbamate*		CAS Exempt	50 - 75	Skin Irrit. 2, H315
Hydroxypropyl methacrylate		CAS 27813-02-1 EC 248-666-3 INDEX 607-125-00-5	10 - 25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
HEMA	2-Hydroxyethyl methacrylate	CAS 868-77-9 E C 212-782-2 INDEX 607-124-00-X	10 - 25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
TPO	Trimethylbenzoyl diphenylphosphine oxide	EC: 278-355-8 CAS: 75980-60-8 Index: 015-203-00-X	1 - 5	Skin Sens. 1, H317 Repr. 2, H361f [1]

May contain one or more of the following components in quantities considered hazardous:

Ingredient name	CAS number	EC number	INCI Name	%
Titanium dioxide	13463-67-7	236-675-5	Titanium dioxide/CI 77891	0-10
Aluminum powder	7429-90-5	231-072-3	Aluminum powder/CI 77000	0-5
D & C yellow #10	8004-92-0	-	Yellow 10/CI 47005	0-5
Iron powder	7439-89-6	231-096-4	Iron powder	0-5
D & C red #28	18472-87-2	242-355-6	Red 28/CI 45410	0-1
			Violet 2/CI 60725	0-5
Black 2	1333-86-4 / 7440-44-0	215-609-9 / 231-153-3	Black 2/ CI 77266	0-5
Blue 1	3844-45-9	223-339-8	Blue 1/CI 42090	0-5
Carmine	1260-17-9 / 1328-60-5 / 1343-78-8 / 1390-65-4	215-023-3 / 215-527-3 / 215-680-6 / 215-724-4	Carmine/CI 75470	0-5
Iron oxide	1309-37-1 / 1345-27-3	215-168-2 / 215-722-3	Iron oxide/CI 77491	0-5
Iron oxides	51274-00-1	257-098-5	Iron oxides/CI 77492	0-5
Iron oxides	12227-89-3 / 1317-61-9 / 1345-27-3	235-442-5 / 215-277-5 / 215-722-3	Iron oxides/CI 77499	0-5
Tin oxide	18282-10-5 1332-29-2	242-159-0	CI 77861	0-5





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Manganese Violet	10101-66-3	233-257-4	Manganese Violet/CI 77742	0-5
Red	5858-81-1	227-497-9	Red /CI 15850	0-5
Red 30	2379-74-0	219-163-6	Red 30/CI 73360	0-5
Red 33	3567-66-6	222-656-9	Red 33/CI 17200	0-5
Red 34	6417-83-0	229-142-3	Red 34/CI 15880	0-5
Red 6	5858-81-1	227-497-9	Red 6/CI 15850	0-5
Silver	7440-22-4	231-131-3	Silver/CI 77820	0-5
Ultramarines	12769-96-9 / 1302-83-6 / 57455-37-5	235-811-0 / 215-111-1	Ultramarines/CI 77007	0-5
Violet 2	81-48-1	201-353-5	Violet 2/CI 60725	0-5
Yellow 11	8003-22-3	232-318-2	Yellow 11/CI 47000	0-5
Yellow 5	1934-21-0	217-699-5	Yellow 5/CI 19140	0-5

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII [5] Substance of equivalent concern

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

4 First aid measures upon exposure

Description of first aid measures

Eye contact	<ul style="list-style-type: none"> 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.
Inhalation	<ul style="list-style-type: none"> Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	<ul style="list-style-type: none"> Flush contaminated skin with plenty of 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	<ul style="list-style-type: none"> Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 adverse health effects persist or are severe. 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.
Protection of first-aiders	<ul style="list-style-type: none"> No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.



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	<ul style="list-style-type: none"> Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
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Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	Irritating to eyes.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	Irritating to skin. May cause sensitisation by skin contact.
Ingestion	Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact	Adverse symptoms may include the following: <ul style="list-style-type: none"> irritation watering redness
Inhalation	No specific data.
Skin contact	Adverse symptoms may include the following: <ul style="list-style-type: none"> irritation redness
Ingestion	No specific data.

Indication of any immediate medical attention and special treatment needed

Note to physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	No specific treatment.

5 Firefighting information

Extinguishing media

Suitable extinguishing media	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	Do not use water jet.

Special hazards arising from the substance or mixture

Hazardous thermal decomposition of products	Decomposition of products may include the following materials: <ul style="list-style-type: none"> carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides halogenated compounds metal oxide/oxides
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Advice for firefighters

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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
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. Clothing for fire-fighters (including helmets, protective boots and gloves)

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	conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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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. Avoid breathing vapour or mist. 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 Section 8 for additional information on hygiene measures.
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). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and material for containment and cleaning up

Small spill	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. 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. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

Reference to other sections -

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7 Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

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. Avoid breathing vapour or mist. Avoid release to the environment. Refer to special instructions/safety data sheet. 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 non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. 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	Shield UV light sources. Store between the following temperatures: 0 to 38°C (32 to 100.4°F). Store in accordance



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	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. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. 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.
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Seveso II Directive – Reporting thresholds (in tonnes)

Danger Criteria

Category	Notification and MAPP threshold	Safety report threshold
E1: Hazardous to the aquatic environment - Acute 1 or Chronic 1	100	200
C9i: Very toxic for the environment	100	200

Specific end use(s)

Recommendations	Nail Varnish
Industrial sector specific solutions	Not applicable.

8 Exposure controls and personal protective equipment

Additional information about design of technical systems: No further data; see section 7.

Control parameters

Occupational exposure limits	No exposure limit value known.
Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
DNELs/DMELs	No DNELs/DMELs available.
PNECs	No PNECs available

Exposure controls

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.
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Individual protection, general protective and hygienic measures

Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory
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	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 or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
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	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
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.

9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	
Physical state	Liquid. [Gel]
Colour	Various
Odour	Characteristic. Acrylate odour.
Odour threshold:	Not determined
Change in condition	
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Flammability (solid, gaseous)	Not applicable
Ignition temperature	Not applicable

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Vapour pressure	<0.0013 kPa [room temperature]
Vapour density	Not available.
Relative density	1.1 to 1.14
Solubility(ies)	Insoluble in the following materials: cold water and hot water
Auto-ignition temperature	Product is not self-igniting
Decomposition temperature	Not available.
Viscosity	Dynamic (room temperature): 1500 to 6000 mPa's
Explosive properties	Not Available.

10 Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	Stable under normal conditions.
Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	Hazardous polymerization may occur under certain conditions of storage or use. These could cause the product to polymerise exothermically. Unintentional contact with them should be avoided.
Conditions to avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials	No specific data.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Acute toxicity				
Product/ingredient name	Result	Species	Dose	Exposure
2-hydroxyethyl methacrylate	LD50 Oral	Rat	5050 mg/kg	-

Acute toxicity estimates	
Route	Not available.
Oral	5050 mg/kg
Inhalation (gases)	Not available.

Irritation/Corrosion					
Product/ingredient name	Result	Species	Score	Exposure	Observation
Not available.					

Information on the likely routes of exposure: Not available.

Potential acute health effects	
Eye contact	Irritating to eyes.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	Irritating to skin. May cause sensitisation by skin contact
Ingestion	Irritating to mouth, throat, and stomach.

Symptoms related to the physical, chemical and toxicological characteristics.

Eye contact	Adverse symptoms may include the following: 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 and also chronic effects from short- and long-term exposure





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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	Not available
General	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels
Carcinogenicity	No known significant effects or critical hazards
Mutagenicity	No known significant effects or critical hazards
Teratogenicity	No known significant effects or critical hazards
Developmental effects	No known significant effects or critical hazards
Fertility effects	No known significant effects or critical hazards

12 Ecological information

Product/ingredient name	Result	Species	Exposure
2-hydroxyethyl methacrylate	Acute LC50 227000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, W eanling)	96 hours

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-hydroxyethyl methacrylate	0.42	-	low
TPO	-	53 to 72	low

Mobility in soil	
Soil/water partition	Not available
Mobility	Not available

Results of PBT and vPvB assessment	
PBT	Not available
vPvB	Not available

Other adverse effects: No known significant effects or critical hazards.

13 Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Waste treatment methods	
Product	
Methods of disposal	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 nonrecyclable 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.
Hazardous waste	The classification of the product may meet the criteria for a hazardous waste.
Packaging	
Methods of disposal	The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	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



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	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.
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14 Transport information

	ADR/RID	ADN	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

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 Annex II of MARPOL 73/78 and the IBC code.	Not available.

15 Regulatory information

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

SARA (Superfund Amendments and Reauthorization)

Section 355 (extremely hazardous substances)	None of the ingredients are listed
Section 313 (Specific toxic chemical listings)	None of the ingredients are listed
TSCA (Toxic Substances Control Act)	None of the ingredients are listed
California Proposition 65	None of the ingredients are listed
Chemicals known to cause cancer	None of the ingredients are listed
Chemicals known to cause reproductive toxicity for females	None of the ingredients are listed.
Chemicals known to cause reproductive toxicity for males	None of the ingredients are listed.
Chemicals known to cause developmental toxicity	None of the ingredients are listed.
Annex XIV	None of the ingredients are listed
Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable
Substances of very high concern	<i>None of the components are listed</i>
Europe inventory	Not determined
Integrated pollution prevention and control list (IPPC) – Air	Listed
Integrated pollution prevention and control list (IPPC) – Water	Listed

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
TPO	-	-	-	Repr. Cat. 3; R62

EPA (Environmental Protection Agency)	Not applicable
TLV (Threshold Limit Value established by ACGIH)	Not applicable
NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients are listed
Seveso II Directive	This product is controlled under the Seveso II Directive.

Danger criteria

Category

E1: Hazardous to the aquatic environment - Acute 1
C9I: Very toxic for the environment

Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.





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16 Additional information

Classification	Justification
Acute Tox. 4, H332	Calculation method
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1A, H317	Calculation method
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 1, H410	Calculation method

Full text of abbreviated H Statements	H302	Harmful if swallowed.
	H315 H317 H319 H330 H332	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Fatal if inhaled. Harmful if inhaled.
	H336 H361f H400 H410 H411 H412	May cause drowsiness or dizziness. Suspected of damaging fertility. Very toxic to aquatic life. Very toxic to aquatic life and long-lasting effects. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
Full text of classifications [CLP/GHS]:	Acute Tox. 2, H330 Acute Tox. 4, H302 Acute Tox. 4, H332 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ACUTE TOXICITY: INHALATION – Category 2 ACUTE TOXICITY: ORAL – Category 4 ACUTE TOXICITY: INHALATION – Category 4 ACUTE AQUATIC HAZARD – Category 1 LONG-TERM AQUATIC HAZARD – Category 1
	Aquatic Chronic 2, H411 Aquatic Chronic 3, H412 Eye Irrit. 2, H319	LONG-TERM AQUATIC HAZARD – Category 2 LONG-TERM AQUATIC HAZARD – Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2
	Pyr. Sol. 1, H250 Repr. 2, H361f Skin Irrit. 2, H315 Skin Sens. 1, H317 Skin Sens. 1A, H317 STOT SE 3, H336	PYROPHORIC SOLIDS – Category 1 TOXIC TO REPRODUCTION [Fertility] Category 2 SKIN CORROSION/IRRITATION – Category 2 SKIN SENSITIZATION – Category 1 SKIN SENSITIZATION – Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] – Category 3

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Information contained within this SDS is only to be distributed as required by law.