Urban Nails BV

Material Safety Data Sheet

Gel Polish

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

1.1 Product identifier

Product name	:	Gel Polish
Product code	:	GP01 t/m GP260
Product description	:	UV Gel Polish, for professional use only.
Product type	:	Liquid.
Other means of identification	:	Not available

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

Identified uses of the substance	:	Cosmetic.
Used advised against	:	Manufacture of food products.

1.3 Details of the supplier of the material safety data sheet

Urban Nails BV
Siberiëstraat 69
3900 Pelt, Belgium
0032 11 811 405

E-mail address of the person responsible for this MSDS	:	info@urbannails.be

1.4 Emergency telephone number

Poison Center Belgium

Telephone number	:	070 245 245

Supplier

Telephone number	:	0032 11 811 405
Hours of operation	:	Monday through Friday 08:00 am to 16:30 pm Excluding national holidays

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2, H315
Skin Sens. 1, H317
Eye Irrit. 2, H319
STOT SE 3 (Resp), H335
Aquatic Chronic 3, H412

Ingredients of unknown toxicity : 64.3 percent of the mixture consists of component(s) of unknown acute oral toxicity.
66.8 percent of the mixture consists of component(s) of unknown acute dermal toxicity.
66.8 percent of the mixture consists of component(s) of unknown acute inhalation toxicity.

Ingredients of unknown ecotoxicity : Contains 59.8% of components with unknown hazards to the aquatic environment.

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

See Section 16 for the full text of the H statements declared above.

See section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention : Keep out of reach from children. Read carefully and follow all instructions. Keep container tightly closed. Prevent contact with eyes, skin and clothing. Wear protective gloves and eye protection. Avoid breathing vapor or mist. Use only with adequate ventilation. Wash thoroughly

after handling. Avoid release to the environment.

Response	:	Take off contaminated clothing and wash before re-use. IF INHALED: remove person to fresh air and keep comfortable for breathing. IF ON SKIN: wash with plenty of water and soap. IF IN EYES: rinse with water for several minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation persists.
Storage	:	Store in a well-ventilated place. Keep container tightly closed.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	:	benzyl methacrylate propylidynetrimethyl trimethacrylate exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate titanium dioxide
Supplemental label elements	:	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable

Special packaging requirements

Containers to be fitted with child-resistant fastenings	:	Not applicable
Tactile warning of danger	:	Not applicable

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, ANNEX XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	:	None known.

Section 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Type
Benzyl methacrylate	CAS: 2495-37-6 EC: 219-674-4	≥25 - ≤50	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335	[1]
Trimethylolpropane trimethacrylate esters	CAS: 3290-92-4 EC: 221-950-4	≤10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
Isobornyl methacrylate	CAS: 7534-94-3 EC: 231-403-1 Index: 607-134-00-4	≤10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
TPO-L	CAS: 84434-11-7 EC: 282-810-6	≤3	Skin Sens. 1B, H317 Aquatic Chronic 2, H411	[1]
titanium dioxide	CAS: 13463-67-7 EC: 236-675-5 Index: 022-006-00-2	≤2.8	Carc. 2, H351 (inhalation) Aquatic Chronic 2, H411	[1] [*]

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, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. See section 16 for the full text of the R and H phrases declared above. Occupational exposure limits, if available, are listed in section 8.

Type
[1] Substance classified with a health or environmental hazard
[*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter ≤ 10 µm not bound within a matrix.

Section 4: First Aid Measures

4.1 Description of first aid measures

Eye contact : Immediately flush eyes with plenty of water, lifting the eyelids occasionally. Remove contact lenses if needed and possible. Rinse for at least 10 minutes and get immediate medical attention if symptoms persist.

Inhalation : 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 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. 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 : 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. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms persist.

Ingestion : 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 : 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
Pain or irritation
Watering
Redness

Inhalation : Averse symptoms may include the following:
Coughing

Skin contact : Adverse symptoms may include the following:
Irritation
Redness

Ingestion : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat according to symptoms (decontamination, vital functions), no known specific antidote. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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.

Section 5: Firefighting measures

5.1 Extinguishing media

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

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substances or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products : Decomposition products may include the following materials:
carbon oxide (CO)
carbon dioxide (CO2)
metal oxide/oxides
phosphorus oxides

5.3 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.

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) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action must be taken involving personal risk or without proper training. Shut off all sources of ignition. Evacuate surrounding areas and keep unnecessary personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate

ventilation. Put on protective equipment before taking action.

For emergency responders : If specialized 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".

6.2 Environmental precautions

Prevent spilled product from entering waterways, drains and sewers. Prevent contact with soil. Inform the authorities if the product has caused environmental pollution. Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up

Small spill : Stop leak if without risk and move containers from spill area. Soak up with inert absorbent and move into an appropriate waste disposal container. Keep container closed until disposal. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach 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 noncombustible, 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 spilled product.

6.4 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.

Section 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).

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Prevent contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor and mist. Wash

thoroughly after handling. Do not heat or spray. Use only with adequate ventilation. Keep in the original container and 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 area. Provide sufficient air exchange and/or exhaust in work rooms.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated area away from ignition sources. Keep container tightly closed until ready for use. Store in a clean, dry area. Store in accordance with local regulations. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Shield UV light sources. Eliminate all ignition sources. Separate from oxidizing materials. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See section 10 for incompatible materials before handling or use. Maintain proper headspace and re-aerate the product by mixing every 3 months.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

Section 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits : No exposure limits value known.

Recommended monitoring procedures : 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

Product/ingredient name	Type	Exposure	Value	Population	Effects
Benzyl methacrylate	DNEL	Long term Oral	4.17 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	4.17 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	6.94 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	7.2 mg/m³	General population	Systemic
	DNEL	Long term Inhalation	24.2 mg/m³	Workers	Systemic
Trimethylolpropane trimethacrylate esters	DNEL	Long term Oral	1.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	4.67 mg/ cm²	General population	Local
	DNEL	Long term Inhalation	5.2 mg/m³	General population	Systemic
	DNEL	Long term Dermal	9.33 mg/ cm²	Workers	Local
	DNEL	Long term Dermal	15 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29.6 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	42 mg/kg	Workers	Systemic
Isobornyl methacrylate	DNEL	Long term Oral	0.21 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.21 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.35 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.36 mg/m³	General population	Systemic
	DNEL	Long term Inhalation	1.22 mg/m³	Workers	Systemic
TPO-L	DNEL	Long term Oral	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.87 mg/m³	General population	Systemic
	DNEL	Long term Dermal	1.4 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	4.93 mg/m³	Workers	Systemic
Titanium dioxide	DNEL	Long term Inhalation	28 µg/m³	General population	Local
	DNEL	Long term Inhalation	170 µg/m³	Workers	Local

Predicted No Effect Concentration (PNEC)

Not available.

8.2 Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient.

Individual protection measures

Hygiene measures : Wash hands, forearms and face after handling product, before eating, smoking and using the lavatory and at the end of the working period. Contaminated work clothing should not be allowed out of the workplace and should be washed before re-using.

Eye/face protection : Safety goggles or safety glasses with side shields. In a splash hazard environment, chemical goggles in combination with a full face shield should be used.

Skin 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.

Respiratory protection : Ensure adequate ventilation. An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area. Filter type: A

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.

Section 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	Liquid. [Gel]
Color	:	Various colours.
Odor	:	Characteristic. Acrylate odor.
Odor threshold	:	Not available.
Melting point/freezing point	:	Not available.
Boiling point and boiling range	:	Not available.
Flammability	:	Not available.
Lower and upper explosion limit	:	Not available.
Flash point	:	Closed cup: >93. 3°C (>199.9°F).
Auto-ignition temperature	:	Not applicable.
Decomposition temperature	:	Not available.
pH	:	Not available.
Viscosity	:	Not available.
Solubility in water	:	Not available.
Partition coefficient	:	Not applicable.
n-octanol/water		

Vapor pressure	:	Not available.
Relative density	:	1.09.
Density	:	Not available.
Vapor density	:	Not available.
Explosive properties	:	Not available.
Oxidizing properties	:	Not available.

Section 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions : Hazardous polymerization may occur under certain conditions of storage or use. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

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

Section 11: Toxicological information

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

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Benzyl methacrylate	LD50 Oral	Rat	5000 mg/kg	-
TPO-L	LD50 Oral	Rat	>2000 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Benzyl methacrylate	5000	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Trimethylolpropane trimethacrylate esters	Skin – Mild irritant	Rabbit	-	500 mg	-
Titanium dioxide	Skin – Mild irritant	Human	-	72 hours 300 ug l	-

Conclusion/summary : Not available.

Sensitization

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Benzyl methacrylate	Category 3	Inhalation	May cause respiratory irritation
Isobornyl methacrylate	Category 3	Inhalation	May cause respiratory irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available

Potential acute health effects

Eye contact	:	Causes serious eye irritation.
Inhalation	:	May cause respiratory irritation.
Skin contact	:	Causes skin irritation. May cause an allergic skin reaction.
Ingestion	:	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing
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

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

Conclusion/Summary	:	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.
Reproductive toxicity	:	No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties
Not available.

11.2.2 Other information
Not available.

Section 12: Ecological information

12.1 Toxicity

Product/ingredient name	Species	Water media type	Exposure	Dose	Effect conc.
Benzyl methacrylate	Pimephales promelas	Fresh water	96 h	LC50	4670 µg/l
Trimethylolpropane trimethacrylate esters	Algae	Fresh water	72 h	EC50	3,88 mg/l
	Oncorhynchus mykiss	Fresh water	96 h	LC50	2 mg/l
	Algae	Fresh water	72 h	NOEC	0,177 mg/l
TPO-L	Daphnia	Fresh water	48 h	EC50	10 to 100 mg/l
titanium dioxide	Ceriodaphnia dubia	Fresh water	48 h	LC50	3 mg/l
	Daphnia pulex	Fresh water	48 h	LC50	6.5 mg/l
	Fundulus heteroclitus	Marine water	96 h	LC50	>1000000 µg/l

Conclusion/summary : Not available.

12.2 Persistence and degradability

Conclusion/summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Benzyl methacrylate	2.53	-	Low
Trimethylolpropane trimethacrylate esters	2.749	-	Low
Trimethylolpropane trimethacrylate esters	5.09	-	High

12.4 Mobility in soil
Not available.

12.5 Results of PBT and vPvB assessment : Regarding all available data on biotic and abiotic degradation, bioaccumulation and toxicity it can be stated that the substance does not fulfil the PBT criteria (not PBT) and not the vPvB criteria (not vPvB).

12.6 Endocrine disrupting properties : Not available.

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

Section 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).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimized 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.

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 minimized 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 may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14: Transport information

This preparation is classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA). International transport regulations.

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-			
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-

14.5 Environmental hazards	No.	No.	No.	No.
14.6 Special precaution 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.			
14.7 Maritime transport in bulk according to IMO instruments	Not available.			

Section 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization : None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Listed.

Industrial emissions (integrated pollution prevention and control) – Water : Not listed.

Ozone depleting substances (1005/2009/EU)
Not listed.

Prior Informed Consent (PIC) (649/2012/EU)
Not listed.

Persistent Organic Pollutants
Not listed.

Seveso Directive
This product is controlled under the Seveso Directive.

Danger criteria

Category
E2

National regulations
International regulations
Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol
Not listed.

Stockholm Convention on Persistent Organic Pollutants
Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)
Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals
Not listed.

Inventory list

Australia	:	Not determined.
Canada	:	Not determined.
China	:	Not determined.
Eurasian Economic Union	:	**Russian Federation inventory:** not determined.
Japan	:	**Japan inventory (CSCL):** Not determined. **Japan inventory (ISHL):** Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Thailand	:	Not determined.
Turkey	:	Not determined.
United States	:	Not determined.
Viet Nam	:	Not determined.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments are still required.

Section 16: Other information

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

Full text of abbreviated H statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation.
H335	May cause drowsiness or dizziness.

H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Aquatic Chronic 2, 3	Aquatic Hazard (Long-term) - Category 2, 3
Carc. 2	Carcinogenicity - Category 2
Eye Irrit. 2	Serious Eye Damage/Eye Irritation - Category 2
Skin Irrit. 2	Skin Corrosion/Irritation - Category 2
Skin Sens. 1, 1B	Skin Sensitization – Category 1, 1A, 1B
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) – Category 3

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