SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name: ANUVIA 1050 VARNISH **Product No.:** 000001016020

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

Identified uses: Varnish
Uses advised against: Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Agfa NV
Septestraat 27
2640 Mortsel
Belgium

Telephone: +32 3 4442111
Fax: +32 3 4447094

E-mail: electronic.sds@agfa.com

National Supplier

Agfa NV - UK Branch
Vantage West
Great West Road
Brentford, Middlesex TW8 9AX
United Kingdom

Telephone: +44 (0)20 8 231 4616
Fax: +44 (0)20 8 231 4951

E-mail: electronic.sds@agfa.com

1.4 Emergency telephone number:

Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

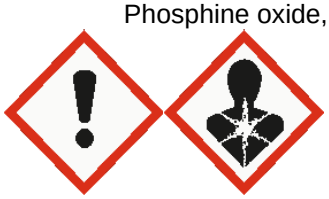
The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards		
Skin irritation	Category 2	H315: Causes skin irritation.
Serious eye irritation	Category 2	H319: Causes serious eye irritation.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.
Toxic to reproduction	Category 2	H361f: Suspected of damaging fertility.
Specific Target Organ Toxicity - Single Exposure	Category 3	H335: May cause respiratory irritation.
Environmental Hazards		
Chronic hazards to the aquatic environment	Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label Elements

Contains: Hexamethylene diacrylate
Isobornyl methacrylate
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-



Signal Word: Warning

Hazard Statement(s):
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.
H361f: Suspected of damaging fertility.

Precautionary Statements

Prevention:
P201: Obtain special instructions before use.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P308+P313: IF exposed or concerned: Get medical advice/attention.

2.3 Other hazards

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccummulative) criteria

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Hexamethylene diacrylate	20 - <50%	13048-33-4	235-921-9	01-2119484737-22-XXXX	No data available.	
Isobornyl methacrylate	20 - <50%	7534-94-3	231-403-1	01-2119886505-27-XXXX	No data available.	
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	10 - <20%	67906-98-3		No data available.	No data available.	
Phosphine	10 - <20%	75980-60-8	278-355-8	01-	No data	

oxide, diphenyl(2,4,6-trimethylbenzoyl)-				2119972295-29-XXXX	available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
# This substance has workplace exposure limit(s).

Classification

Chemical name	Classification	Notes
Hexamethylene diacrylate	Skin Irrit.: 2: H315 Eye Irrit.: 2: H319 Skin Sens.: 1: H317	
Isobornyl methacrylate	Skin Irrit.: 2: H315 Eye Irrit.: 2: H319 STOT SE: 3: H335 Skin Irrit.: 2: H315 Eye Irrit.: 2: H319 STOT SE: 3: H335	Note A
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	Skin Irrit.: 2: H315 Eye Irrit.: 2: H319	
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	Repr.: 2: H361f Aquatic Chronic: 2: H411	No data available.

The full text for all H-statements is displayed in section 16.

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

General: CAUTION! First aid personnel must be aware of own risk during rescue!

4.1 Description of first aid measures

Inhalation: Move to fresh air.

Skin Contact: Get medical attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Ingestion: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Personal Protection for First-aid Responders: See Section 8 of the SDS for Personal Protective Equipment.

4.2 Most important symptoms and effects, both acute and delayed: See section 11 of the SDS for additional information on health hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: See section 11 of the SDS for additional information on health hazards.

Treatment: Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

5.1 Extinguishing media

Suitable extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

6.2 Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

6.4 Reference to other sections: See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Avoid contact with eyes. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with skin. Avoid contact with eyes, skin, and clothing.

7.2 Conditions for safe storage, including any incompatibilities: Store locked up.

7.3 Specific end use(s): Reserved for industrial and professional use.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Hexamethylene diacrylate	Workers	Eyes	Local effect;	Low hazard (no threshold derived)

	General population	Eyes	Local effect;	Low hazard (no threshold derived)
Isobornyl methacrylate	Workers	Dermal	Systemic, long-term; 1.04 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 0.625 mg/kg	Repeated dose toxicity
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	Workers	Dermal	Systemic, long-term; 1 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 3.5 mg/m3	Repeated dose toxicity

PNEC-Values

Critical component	Environmental compartment	PNEC-Values
Hexamethylene diacrylate	Aquatic (marine water)	0 mg/l
	soil	0.004 mg/kg
	Sewage treatment plant	2.7 mg/l
	freshwater sediment	0.024 mg/kg
	Aquatic (freshwater)	0.002 mg/l
	Marine sediments	0.002 mg/kg
Isobornyl methacrylate	Aquatic (intermit. releases)	17.9 µg/l
	Aquatic (marine water)	0.466 µg/l
	Aquatic (freshwater)	4.66 µg/l
	Sewage treatment plant	2.45 mg/l
	Marine sediments	0.0604 mg/kg
	freshwater sediment	0.604 mg/kg
	soil	0.118 mg/kg
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	soil	0.0557 mg/kg
	Fresh water	0.00353 mg/l
	Marine sediments	0.029 mg/kg
	Marine water	0.00353 mg/l
	Aquatic (intermit. releases)	0.0353 mg/l
	Intermittent release	0.0353 mg/l
	Aquatic (marine water)	0.000353 mg/l
	Sediment-fresh water	0.29 mg/kg
	freshwater sediment	0.29 mg/kg
	Soil	0.0557 mg/kg
	Aquatic (freshwater)	0.00353 mg/l

8.2 Exposure controls

Appropriate Engineering Controls: Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General information: No data available.

Eye/face protection: Safety goggles. EN 166.

Skin protection

Hand Protection: Protective gloves should be used if there is a risk of direct contact or splash.(EN374) Chemical resistant gloves required for prolonged or repeated contact. Butyl rubber (EN374) Glove thickness: > 0.35 mm Break-through time: > 240 min Risk of splashes: Nitrile rubber. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Other: Safety clothes : long sleeved clothing EN13688

Respiratory Protection: In case of inadequate ventilation use suitable respirator (EN14387). Seek advice from local supervisor.

Hygiene measures: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. Observe good industrial hygiene practices.

Environmental Controls: Do not empty into drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state:	liquid
Form:	liquid
Color:	Colorless
Odor:	Sweetish
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	< 0 °C
Boiling Point:	> 100 °C
Flash Point:	> 100 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	No data available.
Relative density:	1.046 (20 °C)
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

VOC Content: EC Directive 2004/42: 685.25 g/l ~68.53 % (calculated)

SECTION 10: Stability and reactivity

10.1 Reactivity: Material is stable under normal conditions.

10.2 Chemical Stability: Material is stable under normal conditions.

10.3 Possibility of hazardous reactions: Not known.

10.4 Conditions to avoid: Avoid heat or contamination.

10.5 Incompatible Materials: None known.

10.6 Hazardous Decomposition Products: By heating and fire, harmful vapors/gases may be formed.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

Skin Contact: May cause an allergic skin reaction. Causes skin irritation.

Eye contact: Eye contact is possible and should be avoided. Causes serious eye irritation.

Ingestion: May be ingested by accident. Ingestion may cause irritation and malaise.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	Not classified for acute toxicity based on available data.
Specified substance(s)	
Hexamethylene diacrylate	LD 50 (Rat): > 5,000 mg/kg Experimental result, Key study
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	LD 50 (Rat): > 5,000 mg/kg Experimental result, Key study

Dermal

Product:	Not classified for acute toxicity based on available data.
Specified substance(s)	
Hexamethylene diacrylate	LD 50 (Rabbit) : 3,650 mg/kg Experimental result, Key study
Isobornyl methacrylate	LD 50 (Rabbit) : > 3,000 mg/kg
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	LD 50 (Rat) : > 2,000 mg/kg

Inhalation

Product:	Not classified for acute toxicity based on available data.
Specified substance(s)	
Hexamethylene diacrylate	LC 0 (Rat, 7 h): 0.41 mg/l Vapor, Experimental result, Key study
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer	No data available.

with 2-aminoethanol	
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Repeated dose toxicity

Product:	No data available.
Specified substance(s)	
Hexamethylene diacrylate	NOAEL (Rat(Female, Male), Oral, 28 - 52 d): 250 mg/kg
Isobornyl methacrylate	NOAEL (Rat(Female, Male), Oral, > 28 d): 25 mg/kg NOAEL (Rat, Oral, > 28 d): 500 mg/kg NOAEL (Rat(Female, Male), Oral, 3 - 4 Months): 120 mg/kg
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	LOAEL (Rat(Female, Male), Oral, 28 d): 250 mg/kg LOAEL (Rat(Female, Male), Oral, 64 - 91 d): 300 mg/kg NOAEL (Rat(Female, Male), Oral, 64 - 91 d): 100 mg/kg NOAEL (Rat(Female, Male), Oral, 28 d): 50 mg/kg

Skin Corrosion/Irritation:

Product:	Causes skin irritation.
Specified substance(s)	
Hexamethylene diacrylate	in vivo (Rabbit): Category 2 Experimental result, Key study
Isobornyl methacrylate	in vivo (Rabbit): Not Classified in vivo (Rabbit): Not Classified
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Serious Eye Damage/Eye Irritation:

Product:	Causes serious eye irritation.
Specified substance(s)	
Hexamethylene diacrylate	Irritating
Isobornyl methacrylate	in vivo (Rabbit, 24 - 72 hrs): Not irritating GHS Regulation EC No 1272/2008
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Respiratory or Skin Sensitization:

Product:	May cause an allergic skin reaction.
Specified substance(s)	
Hexamethylene diacrylate	Skin sensitization:, in vivo (Guinea pig): Sensitising

Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

In vivo

Product: No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Reproductive toxicity

Product: Suspected of damaging fertility or the unborn child.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.

Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

SECTION 12: Ecological information

General information: Contains a substance which causes risk of hazardous effects to the environment.

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Hexamethylene diacrylate	LC 50 (Leuciscus idus, 96 h): 4.6 - 10 mg/l (Static) Experimental result, Key study
Isobornyl methacrylate	LOAEL (Danio rerio, 96 h): 1.81 mg/l (semi-static) experimental result

2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Aquatic Invertebrates

Product:	No data available.

Specified substance(s)

Hexamethylene diacrylate	EC 50 (Daphnia magna, 48 h): 2.6 mg/l (Static) Experimental result, Key study
Isobornyl methacrylate	LOAEL (48 h): > 2.57 mg/l (semi-static) experimental result EC 50 (48 h): 1.1 mg/l (Static) experimental result EC 50 (48 h): > 2.57 mg/l (semi-static) experimental result
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Chronic Toxicity

Fish

Product:	No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Aquatic Invertebrates

Product:	No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

Toxicity to Aquatic Plants

Product:	No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-	No data available.

hexanediyl ester, polymer with 2-aminoethanol	
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

12.2 Persistence and Degradability

Biodegradation

Product:	No data available.

Specified substance(s)

Hexamethylene diacrylate	(28 d): 60 - 70 % Detected in water. Experimental result, Key study
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

BOD/COD Ratio

Product	No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

12.3 Bioaccumulative potential

Product:	No data available.

Specified substance(s)

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

12.4 Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

12.5 Results of PBT and vPvB assessment: Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccummulative) criteria

Hexamethylene diacrylate	No data available.
Isobornyl methacrylate	No data available.
2-Propenoic acid ,1-6-hexanediyl ester, polymer with 2-aminoethanol	No data available.
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	No data available.

12.6 Other adverse effects: Harmful to aquatic life with long lasting effects.

12.7 Additional Information: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Disposal considerations (including disposal of contaminated containers or packaging) Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport information

ADR

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

RID

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

IMDG

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

IATA

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: not applicable.

SECTION 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 689/2008 Import and export of dangerous chemicals: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:

Chemical name	CAS-No.	Concentration
Hexamethylene diacrylate	13048-33-4	40 - 50%

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
Hexamethylene diacrylate	13048-33-4	40 - 50%
Isobornyl methacrylate	7534-94-3	30 - 40%
Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)-	75980-60-8	10 - 20%
Octamethylcyclotetrasiloxane	556-67-2	0 - <0.1%

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Not relevant.

References

PBT	PBT: persistent, bioaccumulative and toxic substance.
vPvB	vPvB: very persistent and very bioaccumulative substance.

Key literature references and sources for data: Safety Data Sheet from the supplier.
ECHA

Wording of the H-statements in section 2 and 3

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H361f	Suspected of damaging fertility.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

Skin Irrit. 2, H315	calculated
Eye Irrit. 2, H319	calculated
Skin Sens. 1, H317	calculated
Repr. 2, H361f	calculated
STOT SE 3, H335	calculated
Aquatic Chronic 3, H412	calculated

Issue Date: 09.05.2018
SDS No.:
Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.