

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Code: UNIVERSALBASE_COLOUR_GREY
Product name: UNIVERSAL BASE COLOUR_GREY

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

Intended use: DYE FOR POLYESTER AND EPOXY GLUES AND MASTICS

Identified Uses	Industrial	Professional	Consumer
ADHESIVE SYSTEM/TREATMENT FOR STONE SECTOR	✓	✓	-

1.3. Details of the supplier of the safety data sheet

Name: STONEGATE PRECISION TOOLING LTD
Full address: MELTON HOUSE, JACKSON WAY
District and Country: HU14 3HJ MELTON, EAST YORKSHIRE
UNITED KINGDOM

Tel. +44 (0) 1482 620400

e-mail address of the competent person responsible for the Safety Data Sheet: info@stonegatetooling.co.uk

Supplier: .

1.4. Emergency telephone number

For urgent inquiries refer to:
Ireland
National Poisons Information Centre, Beaumont Hospital, PO Box 1297, Beaumont Road, Dublin 9
Members of the public: 01 809 2166 (8am to 10pm every day)
Healthcare professionals: 01 809 2566 or 01 837 9964 (24 hours)

Malta
112

0 800 314 7900 (Turkey) only, or +90 0312 433 70 01 - Toxicology Department and Poisons Centre
+98 21 6419306 / +98 21 6405569 - Poisons Information Centre (Tehran)
+91 484 4008056 - Poison Control Centre (South India)
(011) 642 2417 / (011) 488 3108 - Anti-Poison Centre (Johannesburg)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Skin sensitization, category 1A

H317

May cause an allergic skin reaction.

 STONEGATE	STONEGATE PRECISION TOOLING LTD UNIVERSAL BASE COLOUR_GREY	Revision nr.1 Dated 27/04/2023 First compilation Printed on 07/10/2024 Page n. 2 / 13 EN
--	--	--

SECTION 2. Hazards identification ... / >>

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Warning

Hazard statements:

H317

May cause an allergic skin reaction.

Precautionary statements:

P280

Wear protective gloves.

P261

Avoid breathing dust / fume / gas / mist / vapours / spray.

P333+P313

If skin irritation or rash occurs: Get medical advice / attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

Contains:

MALEIC ANHYDRIDE

Fatty acids, C14-18 and C16-18-unsatd., maleated

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
Fatty acids, C14-18 and C16-18-unsatd., maleated		
INDEX	0,354 ≤ x < 0,404	Skin Irrit. 2 H315, Skin Sens. 1 H317
EC	288-306-2	
CAS	85711-46-2	
REACH Reg.	01-2119976378-19-XXXX	
PROPYLIDENTRIMETHANOL		
INDEX	0,15 ≤ x < 0,2	Repr. 2 H361fd
EC	201-074-9	
CAS	77-99-6	
REACH Reg.	01-2119486799-10-xxxx	
MALEIC ANHYDRIDE		
INDEX	607-096-00-9	Acute Tox. 4 H302, STOT RE 1 H372, Skin Corr. 1B H314, Eye Dam. 1 H318, Resp. Sens. 1 H334, Skin Sens. 1A H317, EUH071
EC	203-571-6	
CAS	108-31-6	
REACH Reg.	01-2119472428-31	
		Skin Sens. 1A H317: ≥ 0,001%
		LD50 Oral: 1090 mg/kg

 EPY 11.5.1 - SDS 1004.14

 STONEGATE	STONEGATE PRECISION TOOLING LTD UNIVERSAL BASE COLOUR_GREY	Revision nr.1 Dated 27/04/2023 First compilation Printed on 07/10/2024 Page n. 3 / 13 EN
SECTION 3. Composition/information on ingredients ... / >> PHENOL INDEX 604-001-00-2 0 ≤ x < 0,05 EC 203-632-7 CAS 108-95-2 REACH Reg. 01-2119471329-32 Muta. 2 H341, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT RE 2 H373, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Chronic 2 H411 Skin Corr. 1B H314: ≥ 3%, Skin Irrit. 2 H315: ≥ 1% ATE Oral: 100 mg/kg, LD50 Dermal: 660 mg/kg, LC50 Inhalation mists/powders: 0,9 mg/l/4h The full wording of hazard (H) phrases is given in section 16 of the sheet.		
SECTION 4. First aid measures 4.1. Description of first aid measures EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention. SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention. INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor. INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers. 4.2. Most important symptoms and effects, both acute and delayed Specific information on symptoms and effects caused by the product are unknown. 4.3. Indication of any immediate medical attention and special treatment needed Information not available		
SECTION 5. Firefighting measures 5.1. Extinguishing media SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular. 5.2. Special hazards arising from the substance or mixture HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products. Combustion products: mainly COx. 5.3. Advice for firefighters GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).		
SECTION 6. Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures Block the leakage if there is no hazard. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.		

SECTION 6. Accidental release measures ... / >>

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.
Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)
CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÄRDSMINISTERIETS PUBLIKATIONER 2020:25
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α' 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία"»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos

<

**STONEGATE****STONEGATE PRECISION TOOLING LTD****UNIVERSAL BASE COLOUR_GREY**Revision nr.1
Dated 27/04/2023
First compilation
Printed on 07/10/2024
Page n. 6 / 13

EN

SECTION 8. Exposure controls/personal protection ... / >>**PHENOL****Threshold Limit Value**

Type	Country	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Remarks / Observations
TLV	BGR	8	2	16	4	SKIN
TLV	CZE	7,5	1,92	15	3,84	SKIN
AGW	DEU	8	2	16	4	SKIN 11
TLV	DNK	4	1			SKIN E
VLA	ESP	8	2	16	4	SKIN
VLEP	FRA	7,8	2	15,6	4	SKIN
HTP	FIN	8	2	16	4	SKIN
TLV	GRC	8	2	16	4	
AK	HUN	8		16		SKIN
GVI/KGVI	HRV	8	2	16	4	SKIN
VLEP	ITA	8	2	16	4	SKIN
TLV	NOR	4	1			SKIN
TGG	NLD	8				SKIN
VLE	PRT	8	2	16	4	SKIN
NDS/NDSch	POL	7,8		16		SKIN
TLV	ROU	8	2	16	4	SKIN
NGV/KGV	SWE	4	1	16	4	SKIN
MV	SVN	8	2	16	4	SKIN
ESD	TUR	8	2	16	4	SKIN
WEL	GBR	7,8	2	16	4	SKIN
OEL	EU	8	2	16	4	SKIN
TLV-ACGIH		19,2	5			SKIN

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,0077	mg/l
Normal value in marine water	0,00077	mg/l
Normal value for fresh water sediment	0,0915	mg/kg/d
Normal value for marine water sediment	0,0915	mg/kg/d
Normal value of STP microorganisms	2,1	mg/l
Normal value for the terrestrial compartment	0,136	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic			Acute local	Acute systemic	Chronic local	Chronic systemic
Oral					0,4 mg/kg bw/d			
Inhalation					1,32 mg/m3			8 mg/m3
Skin					0,4 mg/kg bw/d			

PROPYLIDENTRIMETHANOL**Predicted no-effect concentration - PNEC**

Normal value in fresh water	1	mg/l
Normal value in marine water	0,1	mg/l
Normal value for fresh water sediment	3,505	mg/kg
Normal value for marine water sediment	0,351	mg/kg
Normal value for water, intermittent release	10	mg/l
Normal value of STP microorganisms	100	mg/l
Normal value for the terrestrial compartment	0,241	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic			Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		50 mg/kg/d						
Inhalation		925 mg/kg				3037,3 mg/m3		6,61 mg/m3
Skin		83,3 mg/kg/d				138,8 mg/kg/d		0,67 mg/kg/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

 STONEGATE	STONEGATE PRECISION TOOLING LTD UNIVERSAL BASE COLOUR_GREY	Revision nr.1 Dated 27/04/2023 First compilation Printed on 07/10/2024 Page n. 7 / 13 EN																																																									
SECTION 8. Exposure controls/personal protection ... / >>																																																											
PHENOL Sampling methods: https://amcaw.ifa.dguv.de/substance/methoden/020-phenol_2016.pdf 8.2. Exposure controls As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards. Provide an emergency shower with face and eye wash station. HAND PROTECTION Protect hands with category III work gloves. The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use. SKIN PROTECTION Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing. EYE PROTECTION Wear airtight protective goggles (see standard EN ISO 16321). RESPIRATORY PROTECTION Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529. ENVIRONMENTAL EXPOSURE CONTROLS The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards. HAND PROTECTION: Protect hands with work gloves for protection from chemical agents in nitrile or fluoroelastomer (EN 374-1: 2016) at least type B or higher based on the risk assessment carried out by the company. Breakthrough time> 480 minutes. Material thickness: NITRILE short contact> 0.38 mm prolonged contact> 0.55 mm FLUOROELASTOMER short contact> 0.50 mm prolonged contact> 1.50 mm																																																											
SECTION 9. Physical and chemical properties																																																											
9.1. Information on basic physical and chemical properties <table> <tr> <th>Properties</th><th>Value</th><th>Information</th></tr> <tr> <td>Appearance</td><td>viscous liquid</td><td></td></tr> <tr> <td>Colour</td><td>grey</td><td></td></tr> <tr> <td>Odour</td><td>characteristic</td><td></td></tr> <tr> <td>Melting point / freezing point</td><td>not available</td><td></td></tr> <tr> <td>Initial boiling point</td><td>> 55 °C</td><td></td></tr> <tr> <td>Flammability</td><td>not available</td><td></td></tr> <tr> <td>Lower explosive limit</td><td>not available</td><td></td></tr> <tr> <td>Upper explosive limit</td><td>not available</td><td></td></tr> <tr> <td>Flash point</td><td>> 60 °C</td><td></td></tr> <tr> <td>Auto-ignition temperature</td><td>250 °C</td><td></td></tr> <tr> <td>Decomposition temperature</td><td>not available</td><td></td></tr> <tr> <td>pH</td><td>not available</td><td>Reason for missing data:substance/mixture is non-polar/aprotic (eg: an organic solvent mixture)</td></tr> <tr> <td>Kinematic viscosity</td><td>not available</td><td></td></tr> <tr> <td>Solubility</td><td>immiscible with water</td><td></td></tr> <tr> <td>Partition coefficient: n-octanol/water</td><td>not available</td><td></td></tr> <tr> <td>Vapour pressure</td><td>not available</td><td></td></tr> <tr> <td>Density and/or relative density</td><td>1,62 g/cm3</td><td></td></tr> <tr> <td>Relative vapour density</td><td>not available</td><td></td></tr> </table>			Properties	Value	Information	Appearance	viscous liquid		Colour	grey		Odour	characteristic		Melting point / freezing point	not available		Initial boiling point	> 55 °C		Flammability	not available		Lower explosive limit	not available		Upper explosive limit	not available		Flash point	> 60 °C		Auto-ignition temperature	250 °C		Decomposition temperature	not available		pH	not available	Reason for missing data:substance/mixture is non-polar/aprotic (eg: an organic solvent mixture)	Kinematic viscosity	not available		Solubility	immiscible with water		Partition coefficient: n-octanol/water	not available		Vapour pressure	not available		Density and/or relative density	1,62 g/cm3		Relative vapour density	not available	
Properties	Value	Information																																																									
Appearance	viscous liquid																																																										
Colour	grey																																																										
Odour	characteristic																																																										
Melting point / freezing point	not available																																																										
Initial boiling point	> 55 °C																																																										
Flammability	not available																																																										
Lower explosive limit	not available																																																										
Upper explosive limit	not available																																																										
Flash point	> 60 °C																																																										
Auto-ignition temperature	250 °C																																																										
Decomposition temperature	not available																																																										
pH	not available	Reason for missing data:substance/mixture is non-polar/aprotic (eg: an organic solvent mixture)																																																									
Kinematic viscosity	not available																																																										
Solubility	immiscible with water																																																										
Partition coefficient: n-octanol/water	not available																																																										
Vapour pressure	not available																																																										
Density and/or relative density	1,62 g/cm3																																																										
Relative vapour density	not available																																																										

Particle characteristics	not applicable
--------------------------	----------------

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Total solids (250°C / 482°F)	100,00 %
------------------------------	----------

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: Not classified (no significant component)

SECTION 11. Toxicological information ... / >>

ATE (Oral) of the mixture: Not classified (no significant component)
ATE (Dermal) of the mixture: Not classified (no significant component)

MALEIC ANHYDRIDE
LD50 (Dermal): 610 mg/kg Rat
LD50 (Oral): 1090 mg/kg Rat

PHENOL
LD50 (Dermal): 660 mg/kg Rat
LD50 (Oral): 440 mg/kg Rat
LC50 (Inhalation mists/powders): 0,9 mg/l/4h Ratto

PROPYLIDENETRIMETHANOL
LD50 (Dermal): > 10000 mg/kg Coniglio
LD50 (Oral): 14700 mg/kg Ratto
LC50 (Inhalation vapours): > 0,85 mg/l/4h Ratto

Fatty acids, C14-18 and C16-18-unsatd., maleated
LD50 (Dermal): > 2000 mg/kg
LD50 (Oral): > 2000 mg/kg

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

SECTION 12. Ecological information ... / >>

PHENOL
LC50 - for Fish 8,9 mg/l/96h Trota arcobaleno
EC50 - for Crustacea 3,1 mg/l/48h Dafnia
EC50 - for Algae / Aquatic Plants 61,1 mg/l/72h Microalgae
Chronic NOEC for Crustacea 2,2 mg/l Dafnia

PROPYLIDENTRIMETHANOL
LC50 - for Fish > 1000 mg/l/96h
EC50 - for Crustacea 13000 mg/l/48h
EC50 - for Algae / Aquatic Plants > 1000 mg/l/72h
Chronic NOEC for Crustacea 1000 mg/l

Fatty acids, C14-18 and C16-18-unsatd., maleated
LC50 - for Fish > 150 mg/l/96h
EC50 - for Crustacea > 100 mg/l/48h
EC50 - for Algae / Aquatic Plants > 100 mg/l/72h

12.2. Persistence and degradability

MALEIC ANHYDRIDE
Solubility in water > 10000 mg/l
Entirely degradable

PHENOL
Rapidly degradable

12.3. Bioaccumulative potential

MALEIC ANHYDRIDE
Partition coefficient: n-octanol/water -2,78

PHENOL
Partition coefficient: n-octanol/water 1,47

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: NoneRestrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

<u>Product</u>	
<u>Point</u>	3
<u>Contained substance</u>	
<u>Point</u>	75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicableSubstances in Candidate List (Art. 59 REACH)On the basis of available data, the product does not contain any SVHC in percentage $\geq$ than 0,1%.Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

SECTION 15. Regulatory information ... / >>

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Muta. 2	Germ cell mutagenicity, category 2
Repr. 2	Reproductive toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
STOT RE 1	Specific target organ toxicity - repeated exposure, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Skin Corr. 1B	Skin corrosion, category 1B
Skin Irrit. 2	Skin irritation, category 2
Resp. Sens. 1	Respiratory sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H341	Suspected of causing genetic defects.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H302	Harmful if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train

SECTION 16. Other information ... / >>

- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.