

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**Trade name **Demulsifier 53**

Article number: 12717

UFI: JKPD-90RY-X00S-33TT

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

No further relevant information available.

Application of the substance / the mixture

Water treatment

Restrictions on use apply to this product according to Regulation (EU) no. 1907/2006 Annex XVII (see section 15)

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**STOCKMEIER Chemie GmbH & Co.KG, Am Stadtholz 37, DE - 33609 Bielefeld
Tel.: +49 521 / 30 37-0, ehs-bielefeld@stockmeier.deSTOCKMEIER Fluids GmbH & Co. KG, Sanssouci 12, DE – 58802 Balve
Tel.: +49 2375 917 310, fluids@stockmeier.comBASSERMANN Minerals GmbH & Co. KG, Rudolf-Diesel-Straße 42, DE – 68169 Mannheim
Tel.: +49 621 15 01 0, verkauf@bassermann.deSTOCKMEIER CHEMIA Sp. z o. o. i S.S.K., ul. Obornicka 277, PL - 60-691 Poznań
Tel.: +48 61 666 10 66, zamowienia@stockmeier.plSTOCKMEIER QUIMICA, S.L.U., Avda. del Baix Llobregat, 3- 5, ES – 08970 Sant Joan Despí (Barcelona)
Tel.: +34 93 506 91 83, tecnico-calidad@stockmeier.esDE NOORD Chemicals B.V., Ridderpoort 5, NL - 2984 BG Ridderkerk
Tel.: +31 180 415 988, info@noordchem.nlSTOCKMEIER Chemie Austria, Ricoweg 32b, AT - 2351 Wiener Neudorf
Tel.: +43 2236 623-40, office@stockmeier.atKEMTAN AG, Seewenweg 6, CH – 4153 Reinach
Tel.: +41 61 711 20 20, info@kemtan.chSTOCKMEIER CHEMICALS BELUX SA/NV, Rue de la Station 17, BE – 1300 Limal
Tel.: +32 10 421-320, info@stockmeierchemicalsbelux.comHDS – Chemie Handels GES.M.B.H., Bauernmarkt 24, AT - 1010 Wien
Tel.: +43 15 32 0 999, office@hds-chemie.atwww.perkute.de
Tel.: 0049 / 5971 / 80816-80
E-mail: mail@perkute.de
.de**1.4 Emergency telephone number:**

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 1)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4	H302 Harmful if swallowed.
Skin Corr. 1B	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.
STOT RE 2	H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.
Aquatic Acute 1	H400 Very toxic to aquatic life.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05 GHS07 GHS08 GHS09

Signal word Danger

Hazard-determining components of labelling:

didecyldimethylammonium chloride

ethane-1,2-diol

Benzol, 1,1'-oxybis-, tetrapropylenderivate, sulfoniert, Natriumsalz

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 2)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of the substances listed below with harmless additions

Dangerous components:

CAS: 7173-51-5 EINECS: 230-525-2 Reg.nr.: 01-2119945987-15	didecyldimethylammonium chloride Skin Corr. 1B, H314; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; Acute Tox. 4, H302, EUH071	25-50%
CAS: 107-21-1 EINECS: 203-473-3 Reg.nr.: 01-2119456816-28	ethane-1,2-diol STOT RE 2, H373; Acute Tox. 4, H302	10-25%
CAS: 119345-04-9 EC number: 601-601-6 Reg.nr.: 01-2119492361-39	Benzol, 1,1'-oxybis-, tetrapropylenderivate, sulfoniert, Natriumsalz Eye Dam. 1, H318; Aquatic Chronic 2, H411	≥1-<2,5%
CAS: 5131-66-8 EINECS: 225-878-4 Reg.nr.: 01-2119475527-28	3-butoxypropan-2-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤1%
CAS: 126-86-3 EINECS: 204-809-1 Reg.nr.: 01-2119954390-39	2,4,7,9-tetramethyldec-5-yne-4,7-diol Eye Dam. 1, H318; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≥0,1-<1%

Additional information For the wording of the listed hazard phrases refer to section 16.

Composition/Ingredients 15 - 30 % cationic surfactants,

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

Instantly remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

After eye contact

Use eye protection.

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

4.2 Most important symptoms and effects, both acute and delayed

Eye irritation.

Irritation of respiratory tracts.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 3)

For safety reasons unsuitable extinguishing agents Water with a full water jet.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Can be released in case of fire:

Nitrogen oxides (NO_x)

carbon monoxide (CO)

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

Additional information

Endangered containers in the surrounding area should be cooled with a water-hose.

Collect contaminated fire fighting water separately. It must not enter drains.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep off unprotected persons

Ensure adequate ventilation

6.2 Environmental precautions:

Prevent material from reaching sewage system, holes and cellars.

Inform respective authorities in case product reaches water or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with eyes and skin.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Protect against direct sunlight, other sources of heat and ignition.

Store in cool, dry conditions in well sealed containers.

Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

Store in original containers or in PE-containers.

Information about storage in one common storage facility:

Pay attention to regulations / technical guidelines on mixed storage of flammable liquids.

Further information about storage conditions:

Store container in a well ventilated position.

Store in a cool place.

Storage class 8 B L (VCI - Konzept, 2007)

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 4)

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

107-21-1 ethane-1,2-diol

AGW (Germany)	Long-term value: 26 mg/m ³ , 10 ppm 2(l);DFG, EU, H, Y, 11
IOELV (EU)	Short-term value: 104 mg/m ³ , 40 ppm Long-term value: 52 mg/m ³ , 20 ppm Skin

DNELs

107-21-1 ethane-1,2-diol

Dermal	DNEL (worker)	106 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	53 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	35 mg/m ³ (Long-term - local effects)
	DNEL (population)	7 mg/m ³ (Long-term - local effects)

5131-66-8 3-butoxypropan-2-ol

Oral	DNEL (population)	12,5 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	52 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	22 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	147 mg/m ³ (Long-term, systemic effects)
	DNEL (population)	43 mg/m ³ (Long-term, systemic effects)

126-86-3 2,4,7,9-tetramethyldec-5-yne-4,7-diol

Oral	DNEL (population)	0,75 mg/kg bw/day (Acute, systemic effects)
		0,25 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	1,5 mg/kg bw/day (Acute, systemic effects)
		0,5 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (population)	0,75 mg/kg bw/day (Acute, systemic effects)
		0,25 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	5,28 mg/m ³ (Acute, systemic effects)
		1,76 mg/m ³ (Long-term, systemic effects)
		DNEL (population)
		0,43 mg/m ³ (Long-term, systemic effects)

PNECs

107-21-1 ethane-1,2-diol

PNEC water	10 mg/l (intermittent releases)
	10 mg/l (freshwater)
	1 mg/l (marine water)
PNEC sediment	20,9 mg/kg dw (freshwater)
PNEC sediment	37 mg/kg (freshwater)
	3,7 mg/kg (marine water)
PNEC STP	199,5 mg/l (sewage plant)

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 5)

PNEC soil	1,53 mg/kg (soil)
5131-66-8 3-butoxypropan-2-ol	
PNEC water	5,25 mg/l (intermittent releases) 0,525 mg/l (freshwater) 0,0525 mg/l (marine water) 10 mg/l (sewage plant)
PNEC sediment	2,36 mg/kg dw (freshwater) 0,236 mg/kg dw (marine water)
PNEC soil	0,16 mg/kg dw (soil)
126-86-3 2,4,7,9-tetramethyldec-5-yne-4,7-diol	
PNEC water	0,4 mg/l (intermittent releases) 0,04 mg/l (freshwater) 0,004 mg/l (marine water)
PNEC sediment	0,32 mg/kg dw (freshwater) 0,032 mg/kg dw (marine water)
PNEC soil	0,028 mg/kg dw (soil)
PNEC STP	7 mg/l (sewage plant)

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Appropriate engineering controls

Room ventilation i.e. vacuum suction. Measures to be taken against electro-static sparks.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

Breathing equipment: Use breathing protection in case of insufficient ventilation.

Recommended filter device for short term use: Combination filter A-P2

Hand protection

Protective gloves (EN 374).

Check the permeability prior to each renewed use of the glove.

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0,7$ mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Change gloves if notice sign of disenchantment.

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

Eye/face protection Tightly sealed safety glasses.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 6)

Body protection:

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information**

Colour:	Light yellow
Smell:	Not determined.
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	>100 °C
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Product is non-flammable nor potentially explosive
Auto-ignition temperature:	(lowest level for individual components)
pH at 20 °C	7,5
pH-value:	
Viscosity:	
Kinematic viscosity	Not determined.
Kinematic viscosity dynamic:	Not determined.
Solubility	
Water:	Fully miscible
Vapour pressure at 20 °C:	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
Vapour pressure:	
Density and/or relative density	
Density at 20 °C	0,98 g/cm ³ (DIN 51757)

9.2 Other information**Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Self-inflammability:** Product is not selfigniting.**Explosive properties:** Product is not potentially explosive**Information with regard to physical hazard classes**

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53S

(Contd. of page 7)

Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: strong oxidizing agents

10.6 Hazardous decomposition products:

Formation of carbon monoxide, carbon dioxide and nitrogen oxides in case of fire.

SECTION 11: Toxicological information

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

Acute toxicity

Harmful if swallowed.

LD/LC50 values that are relevant for classification:

7173-51-5 didecyldimethylammonium chloride

Oral	LD50	238 mg/kg (rat)
Dermal	LD50	3.342 mg/kg (rabbit)

107-21-1 ethane-1,2-diol

Dermal	LD50	>3.500 mg/kg (mouse) 9.530 mg/kg (rabbit)
Inhalative	LC 50	>2,5 mg/l (rat) (6 h)

5131-66-8 3-butoxypropan-2-ol

Oral	LD50	3.300 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (rat)
Inhalative	LC 50 / 4 h	>3,5 mg/l /Dampf (rat)

126-86-3 2,4,7,9-tetramethyldec-5-yne-4,7-diol

Oral	LD50	4.600 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (rabbit) (OECD 402)

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 8)

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

7173-51-5 didecyldimethylammonium chloride

LC 50 / 96 h	0,19 mg/l (Pimephales promelas)
EC 50 / 48 h	0,062 mg/l (Daphnia magna)
EC 50 / 96 h	0,026 mg/l (Pseudokirchneriella subcapitata)
EC 50 / 72 h	0,33 mg/l (Scenedesmus subspicatus)
NOEC	0,032 mg/l (Danio rerio) (34d) 0,01 mg/l (Daphnia magna) (21d)
EC 10 / 12 h	0,1 mg/l (Pseudomonas putida)
EC 10 / 16 h	0,13 mg/l (Pseudomonas putida)

107-21-1 ethane-1,2-diol

LC 50 / 96 h	18.000 mg/l (Oncorhynchus mykiss) 72.860 mg/l (Pimephales promelas)
EC 50 / 48 h	>100 mg/l (Daphnia magna) >10.000 mg/l (Algae)
EC 50 / 96 h	6.500-13.000 mg/l (Selenastrum capricornutum)

5131-66-8 3-butoxypropan-2-ol

LC 50 / 96 h	560-1.000 mg/l (Poecilia reticulata) (OECD 203 (Acute toxicity - fish)) >100 mg/l (Pimephales promelas)
EC 50 / 48 h (static)	>1.000 mg/l (Daphnia magna) (OECD 202)
EC 50 / 96 h (static)	>1.000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC 50 / 3 h	>1.000 mg/l (bacteria)
NOEC / 96 h	560 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

126-86-3 2,4,7,9-tetramethyldec-5-yne-4,7-diol

LC 50 / 96 h	36 mg/l (Pimephales promelas)
EC 50 / 48 h	88 mg/l (Daphnia magna) (OECD 202)
IC50	630 mg/l (activated sludge (DEV - L2)) (OECD 209 (Activated Sludge, Resp. Inhibition Test))

12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 9)

7173-51-5 didecyldimethylammonium chloride	
DOC - Elimination	90 % (OECD 301A)
Biodegradability	72 % (OECD 301 B)
107-21-1 ethane-1,2-diol	
Biodegradability	90-100 % (OECD 301A) (10 h, OECD 301 A / ISO 7827)
5131-66-8 3-butoxypropan-2-ol	
Biodegradability	90 % (OECD 301 E) (OECD 301 E, 28 d)

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):

7173-51-5 didecyldimethylammonium chloride	
EC 50	11 mg/l (activated sludge (method OECD 209))
107-21-1 ethane-1,2-diol	
EC 20 / 0,5 h	>1.995 mg/l (activated sludge (method OECD 209))

Additional ecological information:

General notes:

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

If possible, send to be recycled, otherwise burn or deposit in a certified facility.

Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

Uncleaned packagings:

Recommendation:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning.

Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

— EUE —

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 10)

SECTION 14: Transport information

14.1 UN number or ID number ADR/RID/ADN, IMDG, IATA	UN1760
14.2 UN proper shipping name ADR/RID/ADN	1760 CORROSIVE LIQUID, N.O.S. (didecyldimethylammonium chloride), ENVIRONMENTALLY HAZARDOUS
IMDG	CORROSIVE LIQUID, N.O.S. (didecyldimethylammonium chloride, DODECYL DIPHENYLOXID DISULFONAT), MARINE POLLUTANT
IATA	CORROSIVE LIQUID, N.O.S. (didecyldimethylammonium chloride)
14.3 Transport hazard class(es) ADR/RID/ADN	
Class	8 (C9) Corrosive substances. Corrosive substances.
Label	8
IMDG, IATA	
Class	8 Corrosive substances.
Label	8
14.4 Packing group ADR/RID/ADN, IMDG, IATA	II
14.5 Environmental hazards:	Product contains environmentally hazardous substances: didecyldimethylammonium chloride
Marine pollutant:	Yes
Special marking (ADR/RID/ADN):	Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user Kemler Number: EMS Number: Stowage Category Stowage Code	Warning: Corrosive substances. 80 F-A,S-B B SW2 Clear of living quarters.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR/RID/ADN	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
IMDG	
Limited quantities (LQ)	1L

(Contd. on page 12)

EUE

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 11)

Excepted quantities (EQ)	Código E4 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1760 CORROSIVE LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUM CHLORIDE), 8, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05 GHS07 GHS08 GHS09

Signal word Danger

Hazard-determining components of labelling:

didecyldimethylammonium chloride

ethane-1,2-diol

Benzol, 1,1'-oxybis-, tetrapropylenderivate, sulfoniert, Natriumsalz

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

Regulation (EU) No 649/2012

7173-51-5 didecyldimethylammonium chloride

Annex I Part 1

(Contd. on page 13)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 12)

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations**Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

Other regulations, limitations and prohibitive regulations**Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

VOC (EU) 13,6 g/l**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Application:

Directions for use: please refer to the Technical Information Sheet

Only for industrial applications.

UFI market placements:

(A), (CZ), (FR), (D), (HU), (IT), (NL), (PL), (SK)

Germany, Bulgaria, Denmark, DKE, ESE, European Union, Finland, SFS, France, Greece, Ireland, ISE, Croatia, Latvia, FL, Lithuania, LTE, Malta, Netherland, Norway, Germany, Poland, Portugal, Romania, Sweden, Slovakia, Slovenia, Spain, Czechia, Cyprus, Italy

Relevant phrases

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

Department issuing data specification sheet: see item 1: Informing department**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

(Contd. on page 14)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.03.2023

Version number 112.02

Revision: 03.03.2023

Trade name Demulgator 53

(Contd. of page 13)

ICAO: International Civil Aviation Organisation
LEV: Local Exhaust Ventilation
RPE: Respiratory Protective Equipment
RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)
ISO: International Organisation for Standardisation
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
*** Data compared to the previous version altered.**