

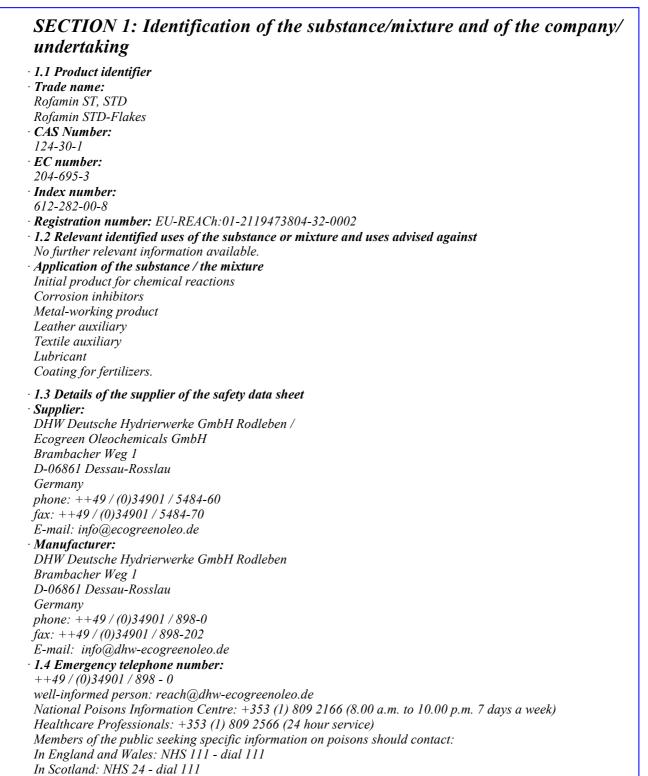
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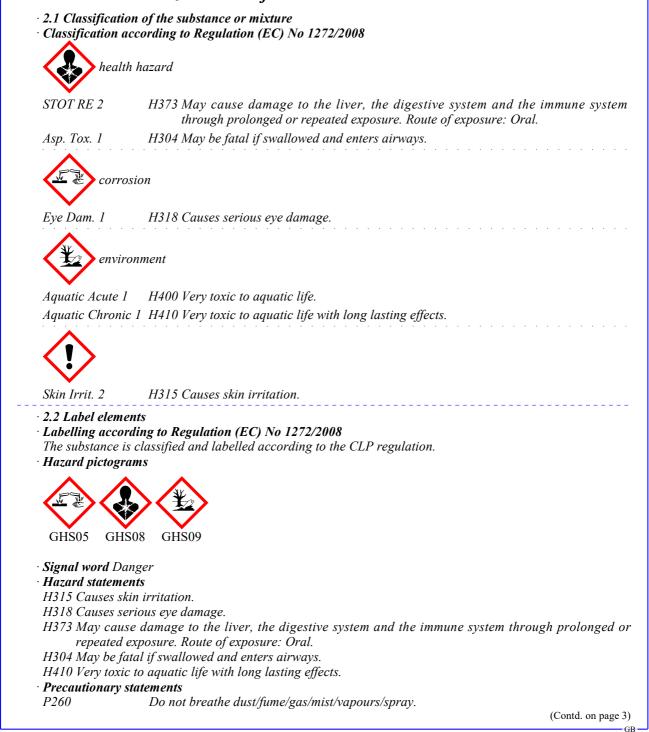


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P301+P310	IE SWALLOWED: Immediately call a DOISON CENTED/ doctor	(Contd. of page
P331	IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting.	
	38 IF IN EYES: Rinse cautiously with water for several minutes. Ren	nove contact lenses
1 505 +1 551 +1 55	present and easy to do. Continue rinsing.	iove contact tenses,
P362+P364	Take off contaminated clothing and wash it before reuse.	
P405	Store locked up.	
P501	Dispose of contents/container in accordance with local/regional/r	national/internation
· 2.3 Other hazard	regulations.	
	s and vPvB assessment The substance is not classified as PBT or vPvB.	
SECTION 3	3: Composition/information on ingredients	
	Octadecylamine (Stearylamine)	
· CAS No. Descript		
124-30-1 Octaded		
· Identification nu		
• EC number: 204-		
· Index Number: 6		
	ict does not contain any substances of very high concern (SVHC).	
2, 22 2 7 7	······································	
	f: First aid measures	
• 4.1 Description o	of first aid measures	
• 4.1 Description o • General informat	f first aid measures tion:	
• 4.1 Description o • General informat Take affected per	o f first aid measures tion: rsons out of danger area and lay down.	
• 4.1 Description o • General informat Take affected per Involve doctor im	o f first aid measures tion: rsons out of danger area and lay down. nmediately.	
• 4.1 Description o • General informat Take affected per Involve doctor im • After inhalation:	of first aid measures tion: rsons out of danger area and lay down. nmediately.	
• 4.1 Description o • General informat Take affected per- Involve doctor im • After inhalation: Supply fresh air a	of first aid measures tion: csons out of danger area and lay down. nmediately. and to be sure call for a doctor.	
• 4.1 Description o • General informat Take affected per Involve doctor im • After inhalation: Supply fresh air a In case of unconst	of first aid measures tion: sons out of danger area and lay down. amediately. and to be sure call for a doctor. sciousness place patient stably in side position for transportation.	
• 4.1 Description of General informat Take affected per Involve doctor im After inhalation: Supply fresh air a In case of uncons After skin contac	of first aid measures tion: sons out of danger area and lay down. mediately. and to be sure call for a doctor. sciousness place patient stably in side position for transportation.	
• 4.1 Description of General informat Take affected per- Involve doctor im • After inhalation: Supply fresh air a In case of uncons • After skin contac Wash with 3% acc	of first aid measures tion: sons out of danger area and lay down. amediately. and to be sure call for a doctor. sciousness place patient stably in side position for transportation. et: petic acid in water, and then with water.	
 4.1 Description of General information Take affected personal Involve doctor im After inhalation: Supply fresh air a In case of unconstant After skin contactor Wash with 3% actor Call a doctor imm 	of first aid measures tion: rsons out of danger area and lay down. amediately. and to be sure call for a doctor. rcciousness place patient stably in side position for transportation. et: retic acid in water, and then with water. nediately.	
 4.1 Description of General information Take affected personal Involve doctor im After inhalation: Supply fresh air a In case of unconsonal After skin contactor Wash with 3% action Call a doctor imm After eye contactor 	of first aid measures tion: sons out of danger area and lay down. amediately. and to be sure call for a doctor. sciousness place patient stably in side position for transportation. et: setic acid in water, and then with water. mediately.	
 4.1 Description of General information Take affected personal Involve doctor im After inhalation: Supply fresh air and In case of unconstant After skin contact Wash with 3% action Call a doctor imm After eye contact Call a doctor imm 	of first aid measures tion: sons out of danger area and lay down. amediately. and to be sure call for a doctor. acciousness place patient stably in side position for transportation. act: setic acid in water, and then with water. nediately. i: nediately.	v minutes followed
 4.1 Description of General informat Take affected person Involve doctor im After inhalation: Supply fresh air a In case of unconst After skin contact Wash with 3% act Call a doctor imm After eye contact Call a doctor imm In case of contact 	of first aid measures tion: sons out of danger area and lay down. amediately. and to be sure call for a doctor. acciousness place patient stably in side position for transportation. at: setic acid in water, and then with water. mediately. t with eyes, rinse immediately with 0.5% acetic acid in water for a few	v minutes, followed l
4.1 Description of General informat Take affected person Involve doctor im After inhalation: Supply fresh air a In case of unconst After skin contact Wash with 3% act Call a doctor imm After eye contact Call a doctor imm In case of contact rinsing with plent	of first aid measures tion: rsons out of danger area and lay down. remediately. and to be sure call for a doctor. reciousness place patient stably in side position for transportation. et: reetic acid in water, and then with water. mediately. t: nediately. t with eyes, rinse immediately with 0.5% acetic acid in water for a few ty of water for as long as possible.	v minutes, followed l
4.1 Description of General informat Take affected person Involve doctor im After inhalation: Supply fresh air a In case of unconst After skin contact Wash with 3% act Call a doctor imm After eye contact Call a doctor imm In case of contact rinsing with plent After swallowing	of first aid measures tion: rsons out of danger area and lay down. amediately. and to be sure call for a doctor. reciousness place patient stably in side position for transportation. reciousness place patient stably in side position for transportation. reciousness place patient stably in side position for transportation. reciousness place attent stably in side position for transportation. reciousness attent stably in stably in side position for transportation. reciousness attent stably in st	v minutes, followed i
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 4.1 Description of General information Take affected per- Involve doctor im After inhalation: Supply fresh air a In case of unconse After skin contact Wash with 3% act Call a doctor imm After eye contact Call a doctor imm In case of contact rinsing with plent After swallowing Do not induce von Drink plenty of we 	of first aid measures tion: sons out of danger area and lay down. mediately. and to be sure call for a doctor. sciousness place patient stably in side position for transportation. et: retic acid in water, and then with water. mediately. t with eyes, rinse immediately with 0.5% acetic acid in water for a few ty of water for as long as possible. : miting! Call for medical help immediately. bater and provide fresh air. Call for a doctor immediately.	v minutes, followed l
4.1 Description of General informat Take affected per- Involve doctor im After inhalation: Supply fresh air a In case of unconse After skin contac Wash with 3% act Call a doctor imm After eye contact. Call a doctor imm In case of contact rinsing with plent After swallowing Do not induce von Drink plenty of we 4.2 Most importa	of first aid measures tion: sons out of danger area and lay down. mediately. and to be sure call for a doctor. sciousness place patient stably in side position for transportation. et: retic acid in water, and then with water. mediately. t: mediately. t with eyes, rinse immediately with 0.5% acetic acid in water for a few ty of water for as long as possible. : miting! Call for medical help immediately. vater and provide fresh air. Call for a doctor immediately. ant symptoms and effects, both acute and delayed	v minutes, followed l
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 4.1 Description of General informat Take affected person Involve doctor im After inhalation: Supply fresh air a In case of unconst After skin contact Wash with 3% act Call a doctor imm After eye contact Call a doctor imm In case of contact rinsing with plent After swallowing Do not induce voir Drink plenty of we 4.2 Most importa No further relevant 4.3 Indication of 	of first aid measures tion: sons out of danger area and lay down. mediately. and to be sure call for a doctor. sciousness place patient stably in side position for transportation. et: retic acid in water, and then with water. mediately. t: mediately. t with eyes, rinse immediately with 0.5% acetic acid in water for a few ty of water for as long as possible. : miting! Call for medical help immediately. vater and provide fresh air. Call for a doctor immediately. ant symptoms and effects, both acute and delayed	v minutes, followed l

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SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray. Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture
- The substance is very toxic to fish. Not allow the quenching water into drains or surface waters.
- 5.3 Advice for firefighters
- · Protective equipment:
- wear suitable protective clothing in dangerous zone
- Mount respiratory protective device.
- Do not inhale explosion gases or combustion gases.
- Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
 Use respiratory protective device against the effects of fumes/dust/aerosol.
 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- \cdot 6.3 Methods and material for containment and cleaning up:
- Pick up mechanically.
- Ensure adequate ventilation.
- **6.4 Reference to other sections** See Section 7 for information on safe handling.
- See Section 7 for information on safe nanating. See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Prevent formation of dust.
- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- **Recommended storage temperature:** Avoid elevated temperatures. Solid: max. 25°C
- Liquid: approx. 65°C
- Storage class: 11
- · 7.3 Specific end use(s) No further relevant information available.

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DNELs			t require monitoring at the workplace: Not required!	
Dral	DNEL	0.04 mg/kg hw	/d (general population)	
Dermal DNEL 0.09 mg/kg bw/d (worker)				
Inhalative DNEL 0.035 mg/m ³ (general population)				
		0.38 mg/m ³ (w		
PNECs	1			
PNEC - aq	uatic	(0.26 µg/l (freshwater)	
		(0.026 μg/l (marinewater)	
PNEC - Se	ediment		3.76 mg/kg dw (freshwater)	
			0.376 mg/kg dw (marinewater)	
PNEC - so	il		10 mg/kg dw (-)	
PNEC - Se	ewage tr	eatment plant .	550 μg/l (-)	
Individual General p Keep away Immediate Wash hand	protect rotective from fo ly remo ls before	ion measures, s e and hygienic i podstuffs, bever we all soiled and e breaks and at	ages and feed. d contaminated clothing the end of work.	
Individual General pi Keep away Immediate Wash hand Avoid cont Respirator required if Use suitab Recommet	protect rotective from for ly removed s before tact with y protect dust is le respin nded fill	eering controls ion measures, s odstuffs, bevery we all soiled and breaks and at the eyes and su ction: formed. ratory protectiv	such as personal protective equipment measures: ages and feed. d contaminated clothing the end of work.	
Individual General pi Keep away Immediate Wash hand Avoid com Respirator required if Use suitab Recommen Hand prot	protect rotective of from for ly remo ds before tact with y protec dust is le respin nded fill fection	eering controls ion measures, s oodstuffs, bever we all soiled and breaks and at the eyes and su the eyes and su tormed. formed. catory protectiv ter device for su ive gloves	such as personal protective equipment measures: ages and feed. d contaminated clothing the end of work. kin. kin. e device in case of insufficient ventilation. hort term use: Combination filter A-P2	
ndividual General pi Keep away Immediate Wash hand Avoid cont Respirator Respirator Required if Use suitab Recomment Hand prot Material of Material of	protect rotective from for ly remo ls before tact with y protect dust is le respin nded fill tection Protect	eering controls ion measures, s oodstuffs, bever we all soiled and breaks and at the eyes and su the eyes and su totor: formed. ratory protectiv ter device for su ive gloves : Nitrile rubber	such as personal protective equipment measures: ages and feed. d contaminated clothing the end of work. kin. kin. e device in case of insufficient ventilation. hort term use: Combination filter A-P2	
ndividual General pi Keep away mmediate Wash hand Avoid com Respirator required if Use suitab Recomment Hand prot Material of Penetratio	protect rotective from fo ly remo ls before tact with y protect dust is le respin nded fill ection Protect f gloves n time o	eering controls ion measures, s oodstuffs, bever we all soiled and breaks and at the eyes and su the eyes and su tormed. formed. catory protectiv ter device for su ive gloves	such as personal protective equipment measures: ages and feed. d contaminated clothing the end of work. kin. kin. e device in case of insufficient ventilation. hort term use: Combination filter A-P2	
ndividual General pi Keep away Immediate Wash hand Avoid cont Respirator required if Use suitab Recomment Hand prot Material of Penetratio Glove matu Layer thick	protect rotective from fo ly remo ls befor act with y protec dust is le respin nded filt ection Protect f gloves n time o erial: N kness: 0	eering controls ion measures, s and hygienic bodstuffs, bever we all soiled and breaks and at the eyes and su the eyes and su toton: formed. formed. formed. fatory protectiv fer device for su ive gloves : Nitrile rubber of glove materia itrile rubber 40 mm	such as personal protective equipment measures: ages and feed. d contaminated clothing the end of work. kin. kin. e device in case of insufficient ventilation. hort term use: Combination filter A-P2	
Individual General pu Keep away Immediate Wash hand Avoid cont Respirator required if Use suitab Recommen Hand prot Material of Penetratio Glove mat Layer thick Penetratio	protect rotective from fo ly remo ds before tact with y protec f dust is le respin nded filt fection Protect f gloves n time o erial: N. kness: 0 n time:	eering controls ion measures, s and hygienic bodstuffs, bevery we all soiled and breaks and at the eyes and su the eyes and su tion: formed. formed. fatory protectiv ter device for su ive gloves : Nitrile rubber of glove materia itrile rubber 40 mm > 480 min (Lev	such as personal protective equipment measures: ages and feed. d contaminated clothing the end of work. kin. kin. e device in case of insufficient ventilation. hort term use: Combination filter A-P2	
Individual General p Keep away Immediate Wash hand Avoid com Respirator required if Use suitab Recommen Hand prot Material of Penetratio Glove matu Cove matu Penetratio Glove matu	protect rotective from fo ly remo ds before tact with y protec dust is le respin nded fill fection Protect f gloves n time o erial: N. kness: 0 n time: erial: N.	eering controls ion measures, s and hygienic bodstuffs, bevery we all soiled and breaks and at the eyes and su the eyes and su tormed. formed. formed. formed. formed. for device for su ive gloves ive gloves it ile rubber 40 mm > 480 min (Lev itrile rubber	such as personal protective equipment measures: ages and feed. d contaminated clothing the end of work. kin. kin. e device in case of insufficient ventilation. hort term use: Combination filter A-P2	
Individual General p Keep away Immediate Wash hand Avoid com Respirator required if Use suitab Recommen Hand prot Material of Penetratio Glove matu Layer thici Penetratio Glove matu Layer thici	protect rotective from for ly remo as before tact with y protec dust is le respin nded fil ection Protect f gloves n time o erial: N kness: 0 n time: erial: N kness: 0	eering controls ion measures, s and hygienic bodstuffs, bevery we all soiled and breaks and at the eyes and su the eyes and su trion: formed. formed. fatory protectiv fer device for su ive gloves it glove materia it le rubber 40 mm > 480 min (Lev it le rubber .10 mm	such as personal protective equipment measures: ages and feed. d contaminated clothing the end of work. kin. kin. e device in case of insufficient ventilation. hort term use: Combination filter A-P2	



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- (Contd. of page 5) • For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:
- Nitrile rubber (i.e. KCL 730-Nitrile glove Camatril®) • As protection from splashes gloves made of the following materials are suitable: Nitrile rubber (i.e. KCL 740 nitrile disposable gloves Dermatril®)
- · Eye/face protection



Tightly sealed goggles

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and cher	mical properties
· Appearance:	
· Form:	Flakes
· Colour:	White
· Physical state	Solid
· Odour:	Amine-like
· Odour threshold:	Not determined.
· Change in condition	
• Meltig point /Melting range:	50-60 °C
· Boiling point or initial boiling point and bo	piling
range	349 °C
· Density at 20 °C:	$0.81 \ g/cm^3$
Relative density:	Not determined.
· Vapour density	Not applicable.
· Flash point:	150 °C
· Flammability	Product is not flammable.
Ignition temperature:	265 °C
• Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Not determined.
· Explosive properties:	Product does not present an explosion hazard.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
• Oxidising properties	Not oxidizing.
· pH	11.4
· Viscosity:	
· Dynamic:	60 °C: 7 mPas
· Kinematic:	Not applicable.
· Surface tension:	
· Solubility	
· water at 20 °C:	4.875 E-5 g/l
	(Contd. on page

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9.2 Other information		
Important information on protection of health an	d	
environment, and on safety.	-	
Molecular weight	269.51 g/mol	
Partition coefficient n-octanol/water (log value)	7.7	
Vapour pressure at 20 °C:	< 0.0001 hPa	
Evaporation rate	Not applicable.	
Information with regard to physical hazard classe	25	
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	
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
- Reacts with oxidising agents.
- Strong exothermic reaction with acids.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:
- Nitrogen oxides (NOx)
- Carbon monoxide and carbon dioxide

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Acute toxi	city	le data, the classificat	-		gulation (EC) No 1272/2008 e not met.
Oral	LD50	050 2,395 mg/kg (rat) (OECD 401)			
Dermal	LD50	> 2,000 mg/kg (rat) (OECD 402) read across			
Inhalative	LD50	0 > 99 ppm (rat) (OECD 403) read across			
Skin corro Causes ski					
Irritation o	of skin	Acute dermal irritatio	on / corros	sion	(rabbit) (OECD 404) irritating
Serious ey	e dama	ge/irritation			
Irritation o	of eyes	Acute eye irritation /	corrosion		bbit) (OECD 405) tating
		in sensitisation le data, the classificat	ion criteri	a ar	e not met.
Sensitisati	on Gui	inea pig maximisation			pig) (OECD 406) tising (read across)
Germ cell Based on d		e nicity le data, the classificat	ion criteri	a ar	e not met.
Genotoxic	ity - AN	MES-Test			(Salmonella Typhymurium) (OECD 471) negative
Genotoxic	ity - Ma	ammalian Cell Gene M	Iutation A	ssay	(Mouse lymphoma cells) (OECD 476) negative (read across)
Genotoxicity - Micronucleus assay		(rat) (OECD 474) negative (read across)			
Genotoxicity - Chromosome aberration assay		(Chinese Hamster Ovary Cells) (OECD 473) negative (read across)			
					(mouse) (OECD 475) negative (read across)
Reproduct	ive tox			U U	cation criteria are not met. e not met.
					rat) (US EPA: CFR 798.4700)
	<u>r</u>		read acro		
		ve toxicity - NOAEL	125 mg/		at) (OECD 421)



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- May cause damage to the liver, the digestive system and the immune system through prolonged or repeated exposure. Route of exposure: Oral.
- Aspiration hazard May be fatal if swallowed and enters airways.
- · Additional toxicological information:

· Repeated dose toxicity

Oral NOAEL 12.5 mg/kg (rat) (OECD 407) read across

11.2 Information on other hazards

• Endocrine disrupting properties Substance is not listed.

SECTION 12: Ecological information

· 12.1 Toxicity

A manufic Acadicitus		
• Aquatic toxicity:		
EC50	0.39 mg/l (algea) (OECD 201)	
	read across	
	0.011 mg/l (daphnia) (OECD 202)	
LC50	1 – 10 mg/l (fish) (OECD 203)	
Long term toxicity - NOEC	0.125 mg/l (algea) (OECD 201) read across	
	0.013 mg/l (daphnia) (OECD 211) read across	
· 12.2 Persistence and degra	dability Easily biodegradable	
• Method OECD 301 F		
• Analysing method O ₂ -cons		
• Degree of elimination: 70		
• Classification: readily biod		
	ntial No further relevant information available.	
	ther relevant information available.	
	PvB assessment The substance is not classified as PBT or vPvB.	
• 12.6 Endocrine disrupting		
	in substances with endocrine disrupting properties.	
• 12.7 Other adverse effects		
• Ecotoxical effects:		
Terrestric toxicity - LC50	> 1,000 mg/kg dw (earth worm) (OECD 207)	
	read across	
Terrestric toxicity - NOEC	> 200 mg/kg dw (earth worm) (OECD 222)	
2	read across	
	> 100 mg/kg dw (plants) (OECD 208)	
	read across	
Sediment toxicity - LC50	> 2,030 mg/kg dw (nematode)	
	read across	
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· Remark:

Very toxic for fish Very toxic for water fleas. *Very toxic for algae*

· Additional ecological information:

General notes:

Water danger class 3 (German Regulation) (Assessment by list): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Must not reach sewage water or drainage ditch undiluted or unneutralised. Danger to drinking water if even extremely small quantities leak into the ground.

Very toxic for aquatic organisms

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

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

- Uncleaned packaging:
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information • 14.1 UN number or ID number · ADR, IMDG, IATA UN3077 · 14.2 UN proper shipping name 3077 ENVIRONMENTALLY HAZARDOUS ·ADR SUBSTANCE, SOLID, N.O.S. (Octadecylamine) · IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Octadecylamine), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, $\cdot IATA$ SOLID, N.O.S. (Octadecylamine) · 14.3 Transport hazard class(es) · ADR, IMDG, IATA · Class 9 Miscellaneous dangerous substances and articles. · Label 0 (Contd. on page 11)



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14.4 Packing group ADR, IMDG, IATA	111
14.5 Environmental hazards: Marine pollutant:	Р
	Yes (P)
· Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Miscellaneous dangerous substances an articles.
Hazard identification number (Kemler code):	90
EMS Number:	F-A,S-F
Stowage Category	A SW22 When the second in DK2 half contained a
· Stowage Code	SW23 When transported in BK3 bulk container, se 7.6.2.12 and 7.7.3.9.
· 14.7 Maritime transport in bulk according to IM	10
instruments	Not applicable.
Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5 kg
· Excepted quantities (EQ)	Code: El
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
· Transport category	3
• Tunnel restriction code	(-)
·IMDG	
· Limited quantities (LQ)	5 kg
· Excepted quantities ($\widetilde{E}Q$)	Code: E1
·	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOU SUBSTANCE, SOLID, N.O.S. (OCTADECYLAMINE), 9 III

SECTION 15: Regulatory information

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

- Toxic Substances Control Act (TSCA): ACTIVE
- Philippines Inventory of Chemicals and Chemical Substances (PICCS): Substance is listed.
- · Inventory of Existing Chemical Substances in China (IECSC): Substance is listed.
- Australian Inventory of Indusrial Chemicals (AIIC): All ingredients are listed.
- Existing and New Chemical Substances (ENCS, Japan): 2-133, 2-176, 2-185

• Priority Assessment Chemical Substance (Japan): Yes (registration number: 164)

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Printing date 19.09.2023

Version number 5.02 (replaces version 5.01)

Revision: 19.09.2023

1 ming une 17.07.		<i>Revision</i> . 17.07.2025
		(Contd. of page 11)
	g Chemical Inventory (KECI): KE-26325	
	estic Substances List (DSL): All ingredients are listed.	
· New Zealand I	nventory of Chemicals (NZIoC): Substance is listed.	
• New Zealand H	ISNO Approval numbers: HSR001542	
• Taiwan Chemio	cal Substance Inventory (TCSI): Substance is listed.	
· Labelling accor	rding to Regulation (EC) No 1272/2008	
	s classified and labelled according to the CLP regulation.	
• Hazard pictogr		
	Yr.	
GHS05 GHS	508 GHS09	
011505 011	500 (1150)	
• Signal word Da	Inaor	
· Hazard stateme		
H315 Causes sk		
	erious eye damage.	
	se damage to the liver, the digestive system and the immune sys	iem inrougn proiongea or
	exposure. Route of exposure: Oral.	
	ital if swallowed and enters airways.	
	c to aquatic life with long lasting effects.	
• Precautionary s		
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doct	or.
P331	Do NOT induce vomiting.	
P305 + P351 + P.	338 IF IN EYES: Rinse cautiously with water for several minutes	. Remove contact lenses, if
	present and easy to do. Continue rinsing.	
P362+P364	Take off contaminated clothing and wash it before reuse.	
P405	Store locked up.	
P501	Dispose of contents/container in accordance with local/region	onal/national/international
	regulations.	
· Directive 2012/	10/ET T	
	ous substances - ANNEX I Substance is not listed.	
	v E1 Hazardous to the Aquatic Environment	
	ntity (tonnes) for the application of lower-tier requirements $100 t$	
	ntity (tonnes) for the application of upper-tier requirements 200 t	
	011/65/EU on the restriction of the use of certain hazardous su	ibstances in electrical and
	oment – Annex II	
Substance is no		
	TRICTED EXPLOSIVES PRECURSORS (Upper limit value fo	r the purpose of licensing
under Article 5		
Substance is no		
	PORTABLE EXPLOSIVES PRECURSORS Substance is not listed	<i>l</i> .
· Regulation (EC	C) No 648/2004 on detergents:	

- Other regulations, limitations and prohibitive regulations Substances of very high concern (SVHC) according to REACH, Article 57 The product does not contain any substances of very high concern (SVHC).

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Safety data sheet according to 1907/2006/EC, Article 31 Version number 5.02 (replaces version 5.01) Revision: 19.09.2023 Printing date 19.09.2023 (Contd. of page 12) · Substances of very high concern (SVHC) according to UK REACH The product does not contain any substances of very high concern (SVHC). • 15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out. **SECTION 16: Other information** This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. · Department issuing SDS: Product Safety • Date of previous version: 23.07.2021 · Version number of previous version: 5.01 • 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) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) 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 P: Marine Pollutant GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative NOAEL: No observed advers effect level NOAEC: No observed advers effect concentration LOAEL: Lowest observed advers effect level LOAEC: Lowest observed advers effect concentration NOEL: No observed effect level NOEC: No observed effect concentration LOEC: Lowest observed effect concentration BCF: Bio concentration factor EC50: Effect concentration, 50 percent Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eve Dam. 1: Serious eye damage/eye irritation – Category 1 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Changia 1: Hazardous to the aquatic environment - long term aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

• * Data compared to the previous version altered.

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