

FLEETCOOL DCA-4 LIQUID

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SECTION 1: Identification of the	substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Trade name/designation	: FLEETCOOL DCA-4 LIQUID
Product code	: DCA 65L (1.89L); DCA 75L (20L Pail); DCA 80L (208L Drum); 391412663 (Bulk).
Product group	: Trade product
Document no.	: LT16571 EU
1.2. Relevant identified uses of the	substance or mixture and uses advised against
1.2.1. Relevant identified uses	

Main use category: Professional use,Consumer useUse of the substance/mixture: Additive

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Cummins Filtration Unit 3 / Valley Drive / Valley Park / Rugby CV21 1 TN Warwickshire - The United Kingdom T +44 (0)1788 853600

1.4. Emergency telephone number

Emergency number

: +44 (0) 1235 239670 (Carechem24) Only available during office hours.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Met. Corr. Not classified

Skin Irrit. 2	H315
Eye Dam. 1	H318
Aquatic Chronic 3	H412

Full text of H statements : see section 16



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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

:

Hazard pictograms (CLP)

	GHS05
Signal word	: Danger
Hazardous ingredients	: Sodium Triazole Solution
Hazard statements (CLP)	 H315 - Causes skin irritation. H318 - Causes serious eye damage. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	 P280 - Wear protective gloves/protective clothing/eye protection/face protection. P264 - Wash hands, forearms and face thoroughly after handling. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
Extra phrases	: EUH208 - Contains sodium benzothiazol-2-yl sulphide. May produce an allergic reaction.

2.3. Other hazards

Other hazards

: PBT/vPvB data : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). vPvB : This information is not available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Potassium phosphate, dibasic anhydrous	(CAS-No.) 7758-11-4 (EC-No.) 231-834-5	5 - 10	Not classified
sodium nitrite	(CAS-No.) 7632-00-0 (EC-No.) 231-555-9 (EC Index) 007-010-00-4	1 - 5	Ox. Sol. 3, H272 Acute Tox. 3 (Oral), H301 Eye Irrit. 2, H319 Aquatic Acute 1, H400
dipotassium adipate	(CAS-No.) 19147-16-1 (EC-No.) 242-838-1 (EC Index) -	1 - 5	Eye Irrit. 2, H319
Potassium nitrate	(CAS-No.) 7757-79-1 (EC-No.) 231-818-8	1 - 5	Ox. Sol. 3, H272
Sodium Triazole Solution	(CAS-No.) 64665-57-2 (EC-No.) 265-004-9	1 - 3	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Sodium molybdate	(CAS-No.) 7631-95-0 (EC-No.) 231-551-7	<= 1	Not classified

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sodium benzothiazol-2-yl sulphide	(CAS-No.) 2492-26-4 (EC-No.) 219-660-8	0,1 - 0,5	Met. Corr. 1, H290 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1. H410

Full text of H-statements: see section 16

Filtration

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SECTION 4: First aid measures			
4.1. Description of first aid measures			
Additional advice	: First aider: Pay attention to self-protection. See also section 8 . Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically. In case of doubt or persistent symptoms, consult always a physician.		
Inhalation	: Keep at rest. Provide fresh air. Artificial respiration and/or oxygen may be necessary. In case of doubt or persistent symptoms, consult always a physician.		
Skin contact	: Wash with plenty of water/. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. In case of doubt or persistent symptoms, consult always a physician.		
Eyes contact	 Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. In case of doubt or persistent symptoms, consult always a physician. 		
Ingestion	: Rinse mouth out with water. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.		
4.2. Most important symptoms and e	effects, both acute and delayed		
Inhalation	: Inhalation of mist causes irritation of respiratory system.		
Skin contact	: Causes skin irritation. Chronic intensive skin contact may cause dermatitis. Components of the product may be absorbed into the body through the skin.		
Eyes contact	: Causes serious eye damage. The following symptoms may occur: erythema (redness). Pain .		
Ingestion	: May cause nausea, abdominal spasms and irritation of the mucous membranes. The absorption of this product into the body may lead to the formation of methaemoglobine that, in sufficient concentration, causes cyanosis. Kidney injury may occur.		

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media	: Water spray.	
Unsuitable extinguishing media	: Strong water jet .	
5.2. Special hazards arising from th	e substance or mixture	
Specific hazards	: Non flammable.	
Explosion hazard	: On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray.	
Hazardous decomposition products in case of fire	: Nitrogen oxides (NOx). Sulphur oxides. Sodium oxides. Carbon oxides (CO, CO2). Phosphorus oxides.	
5.3. Advice for firefighters		
Firefighting instructions	: Special protective equipment for firefighters Wear a self-contained breathing apparatus and chemical protective clothing. Use water spray or fog for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or water courses.	



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SECTION 6: Accidenta			
SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment and emergency procedures			
6.1.1. For non-emergence	• •		
For non-emergency personn	protective see secti clothing.	vind/keep distance from source. Provide adequate ventilation. Use personal e equipment as required. Concerning personal protective equipment to use, on 8. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and Keep away from heat, hot surfaces, sparks, open flames and other ignition No smoking.	
6.1.2. For emergency res	sponders		
For emergency responders	:Ensure p place.	rocedures and training for emergency decontamination and disposal are in	
6.2. Environmental pre	ecautions		
Do not allow to enter into sur	rface water or drains.		
6.3. Methods and mate	erial for containment and	cleaning up	
Methods for cleaning up	Contain s diatomac local / na	adequate ventilation. Stop leak if safe to do so. Dilute with plenty of water. spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, eous earth, vermiculite) and transfer to a container for disposal according to tional regulations (see section 13). Site should have a spill plan to ensure quate safeguards are in place to minimize the impact of episodic releases.	
6.4. Reference to other	r sections		
Concerning personal protect	ive equipment to use, see s	section 8 . Concerning disposal elimination after cleaning, see section 13.	
SECTION 7: Handling	and storage		
7.1. Precautions for sa			
Precautions for safe handling	g : Use only Concerni vapour/a closing c	in well ventilated areas. Use personal protective equipment as required. ing personal protective equipment to use, see section 8. Do not breathe erosol. Avoid contact with skin, eyes and clothing. After use replace the ap immediately. Keep away from heat, hot surfaces, sparks, open flames	
	combusti	r ignition sources. No smoking. Take any precaution to avoid mixing with ibles	
Hygiene measures	combusti : Keep goo after han When us		
	combusti : Keep goo after han When us	ibles od industrial hygiene. Wash hands and face before breaks and immediately dling of the product. Keep away from food, drink and animal feedingstuffs. ing do not eat, drink or smoke. Separate working clothes from town clothes. contaminated clothing.	
	combusti : Keep goo after han When us Take off <u>e storage, including any i</u> : Keep cor area acc surfaces	ibles od industrial hygiene. Wash hands and face before breaks and immediately dling of the product. Keep away from food, drink and animal feedingstuffs. ing do not eat, drink or smoke. Separate working clothes from town clothes. contaminated clothing.	
7.2. Conditions for saf	combusti : Keep goo after han When us Take off <u>e storage, including any i</u> : Keep cor area acc surfaces detailed	ibles od industrial hygiene. Wash hands and face before breaks and immediately dling of the product. Keep away from food, drink and animal feedingstuffs. ing do not eat, drink or smoke. Separate working clothes from town clothes. contaminated clothing. ncompatibilities ntainer tightly closed in a cool, well-ventilated place. Keep locked up or in an essible only to qualified or authorised persons. Keep away from heat, hot , sparks, open flames and other ignition sources. No smoking. Refer to the	
7.2. Conditions for saf	combusti : Keep go after han When us Take off : Keep cor area acc surfaces detailed : Store in o	ibles od industrial hygiene. Wash hands and face before breaks and immediately dling of the product. Keep away from food, drink and animal feedingstuffs. ing do not eat, drink or smoke. Separate working clothes from town clothes. contaminated clothing. <u>ncompatibilities</u> ntainer tightly closed in a cool, well-ventilated place. Keep locked up or in an essible only to qualified or authorised persons. Keep away from heat, hot , sparks, open flames and other ignition sources. No smoking. Refer to the list of incompatible materials in section 10 Stability/Reactivity.	
7.2. Conditions for safe Technical measures Packaging materials 7.3. Specific end use(s) No data available	combusti : Keep god after han When us Take off : Keep cor area acc surfaces detailed : Store in o	ibles od industrial hygiene. Wash hands and face before breaks and immediately dling of the product. Keep away from food, drink and animal feedingstuffs. ing do not eat, drink or smoke. Separate working clothes from town clothes. contaminated clothing. <u>ncompatibilities</u> ntainer tightly closed in a cool, well-ventilated place. Keep locked up or in an essible only to qualified or authorised persons. Keep away from heat, hot , sparks, open flames and other ignition sources. No smoking. Refer to the list of incompatible materials in section 10 Stability/Reactivity. original container.	
7.2. Conditions for safe Technical measures Packaging materials 7.3. Specific end use(start)	combusti : Keep go after han When us Take off : Keep cor area acc surfaces detailed : Store in o : : : : : : : : : : : : :	ibles od industrial hygiene. Wash hands and face before breaks and immediately dling of the product. Keep away from food, drink and animal feedingstuffs. ing do not eat, drink or smoke. Separate working clothes from town clothes. contaminated clothing. <u>ncompatibilities</u> ntainer tightly closed in a cool, well-ventilated place. Keep locked up or in an essible only to qualified or authorised persons. Keep away from heat, hot , sparks, open flames and other ignition sources. No smoking. Refer to the list of incompatible materials in section 10 Stability/Reactivity. original container.	
7.2. Conditions for safe Technical measures Packaging materials 7.3. Specific end use(s) No data available SECTION 8: Exposure	combusti : Keep go after han When us Take off : Keep cor area acc surfaces detailed : Store in o : controls/personal p : :	ibles od industrial hygiene. Wash hands and face before breaks and immediately dling of the product. Keep away from food, drink and animal feedingstuffs. ing do not eat, drink or smoke. Separate working clothes from town clothes. contaminated clothing. <u>ncompatibilities</u> ntainer tightly closed in a cool, well-ventilated place. Keep locked up or in an essible only to qualified or authorised persons. Keep away from heat, hot , sparks, open flames and other ignition sources. No smoking. Refer to the list of incompatible materials in section 10 Stability/Reactivity. original container.	

Lithuania	NRV (mg/m³)	0,1 mg/m³
Potassium nitrate (7757-7	9-1)	
Bulgaria	OEL TWA (mg/m³)	5 mg/m³
Latvia	OEL TWA (mg/m³)	5 mg/m³



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Potassium nitrate (7757-79-1)			
Lithuania	IPRV (mg/m ³)		5 mg/m³
8.2. Exposure controls	<u>i</u>		
Engineering measure(s)	:	ventilation. Emergency eye wash in the immediate vicinity of any po	only in area provided with appropriate exhaust fountains and safety showers should be available tential exposure. Organisational measures to and exposure. See also section 7.
Personal protective equipme	nt :	Choose body protection according dangerous substance at the work	g to the amount and concentration of the place.
Hand protection	:	specific application and time of us other factors on the working space are possibly used, physical require	EN 374. The selection of specific gloves for a e in a working area, should also take into account e, such as (but not limited to): other chemicals that ements (protection against cutting/drilling, skill, ctions/specification of the supplier of gloves.
Eye protection	:	tightly fitting safety goggles. Safet	y glasses. (EN166)
Respiratory protection	:	suitable respiratory equipment. Fu	of use. In case of insufficient ventilation, wear Ill face mask (EN 136) (EN 136). Half-face mask e: A (EN 141). Self-contained breathing apparatus

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: Blue.	
Odour	: Characteristic.	
Odour threshold	: No data available	
pН	: 10 - 11	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting / freezing point	: No data available	
Freezing point	: No data available	
Initial boiling point and boiling range	: 100 °C	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Not applicable,(Liquid)	
Vapour pressure	:760 mmHg (@100°C)	
Vapour density	: No data available	
Relative density	: 1,13 - 1,15	
Solubility	: No data available	
Partition coefficient n-octanol/water	: No data available	
Kinematic viscosity	: No data available	
Dynamic viscosity	: No data available	
Explosive properties	: Not applicable.	
Oxidising properties	: Not applicable.	
Explosive limits	: No data available	
9.2. Other information		
VOC content	: No data available	



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SECTION 10: Stability and reactivity

10.1. Reactivity

Non flammable. Reference to other sections: 10.5.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. See also section 7 : Handling and storage .

10.5. Incompatible materials

oxidising substances. Reducing agent. Acids. Halogenated compounds. alcohols. Aldehydes . See also section 7 : Handling and storage .

10.6. Hazardous decomposition products

Burning produces noxious and toxic fumes. Hazardous decomposition products. Carbon oxides. Nitrogen oxides (NOx). Sodium oxides. Sulphur oxides. Phosphorus compounds .

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met.)

sodium nitrite (7632-00-0)			
LD50/oral/rat	85 mg/kg		
LC50/inhalation/4h/rat	5,5 mg/l/4h		
sodium benzothiazol-2-yl sulphide (2492-26-4)			
LD50/oral/rat	1476 mg/kg		
LD50/dermal/rabbit	> 7940 mg/kg		
LC50/inhalation/4h/rat	> 8,2 mg/l (Exposure time: 6 h)		
Sodium molybdate (7631-95-0)			
LD50/oral/rat	4000 mg/kg		
LC50/inhalation/4h/rat	> 2080 mg/m³ (Exposure time: 4 h)		
Potassium nitrate (7757-79-1)			
LD50/oral/rat 3015 mg/kg			
Sodium Triazole Solution (64665-57-2)			
LD50/oral/rat	920 mg/kg		
LD50/dermal/rabbit	> 2000 mg/kg		
Skin corrosion/irritation	: Causes skin irritation.		
	pH: 10 - 11		
Serious eye damage/irritation	: Causes serious eye damage.		
	pH: 10 - 11		
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met.)		
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met.)		
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met.)		
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met.)		
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met.)		
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met.)		
	: Not classified (Based on available data, the classification criteria are not met.)		
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Other information

: Symptoms related to the physical, chemical and toxicological characteristics. Reference to other sections: 4.2.

SECTION 12: Ecological information			
12.1. Toxicity Environmental properties	: Harmful to aquatic life with long lasting effects. Should not be released into the environment.		
sodium nitrite (7632-00-0)			
LC50 fish 1	0,19 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])		
EC50 Daphnia 1	87 mg/l		
1 C50 fish 2	0.092 - 0.13 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Iflow-		

LC50 fish 2	0,092 - 0,13 mg/l (Exposure time: 96 h - Species: Oncornynchus mykiss [flow- through])		
sodium benzothiazol-2-yl sulphide (2492-26-4)			
LC50 fish 1	0,3 - 1,1 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])		
EC50 Daphnia 1	1,9 - 5,1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
LC50 fish 2	3,8 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])		
Potassium nitrate (7757-79-1)			
LC50 fish 1	1378 mg/l (Poecilia reticulata)		

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water	No data available	
sodium nitrite (7632-00-0)		
Partition coefficient n-octanol/water	-3,7 (at 25 °C)	
sodium benzothiazol-2-yl sulphide (2492-26-4)		
Partition coefficient n-octanol/water	-0,46	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Product/Packaging disposal recommendations	 Refer to manufacturer/supplier for information on recovery/recycling. Collect and dispose of waste product at an authorised disposal facility. Dispose of contaminated materials in accordance with current regulations. 	
Additional information	 Delivery to an approved waste disposal company. In accordance with local and national regulations. 	
European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC)	 Classified as hazardous waste according to European Union regulations. The following Waste Codes are only suggestions: 07 02 04* - other organic solvents, washing liquids and mother liquors / 150110 - packaging containing residues of or contaminated by dangerous substances . Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. 	



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SECTION 14: Transport information

IMDG		ADN	RID
Not applicable	Not applicable	Not applicable	Not applicable
hipping name			I
Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable
azard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable
up		I	I
Not applicable	Not applicable	Not applicable	Not applicable
tal hazards			
Not applicable	Not applicable	Not applicable	Not applicable
	hipping name Not applicable Not applicable azard class(es) Not applicable Not applicable up Not applicable tal hazards	hipping name Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable azard class(es) Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable up Not applicable tal hazards Not applicable	hipping name Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable azard class(es) Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable up Not applicable Not applicable Not applicable Intervention Not applicable Not applicable Not applicable

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

······································			
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	FLEETCOOL DCA-4 LIQUID		
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	FLEETCOOL DCA-4 LIQUID - sodium benzothiazol-2-yl sulphide		
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	FLEETCOOL DCA-4 LIQUID - sodium benzothiazol-2-yl sulphide		

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances



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: No data available

15.1.2. National regulations

Germany	
Reference to AwSV	: Water hazard class (WGK) 2, significant hazard to waters (Classification according to AwSV, Annex 1)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
TA Luft	: 5.2.5 Organic Substances
Netherlands	
Waterbezwaarlijkheid	: 8 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Saneringsinspanningen	: A - In principe niet lozen; zo ja, dan toepassen van beste bestaande technieken
SZW-lijst van kankerverwekkende stoffen	: Sodium Triazole Solution is listed
SZW-lijst van mutagene stoffen	: Sodium Triazole Solution is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: None of the components are listed
Denmark	
Recommendations Danish Regulation	: Young people below the age of 18 years are not allowed to use the product
Norway	
This safety datasheet has been prepared according to Norwegian legislation.	: Produktforskriften (FOR 2004-06-01): Paragraph 2-30

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Indication of changes: SECTION : 1,2,14,16.

Abbreviations and acronyms:

ADDIEVIALIONS and	
	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	CSR = CSR = Chemical Safety Report
	EC50 = Median Effective Concentration
	LD50 = Median lethal dose
	LC50 = Median lethal concentration
	N.O.S. = Not Otherwise Specified



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DNEL = DNEL = Derived No Effect Level
PNEC = Predicted No Effect Concentration
TLV = Threshold limits
TWA = time weighted average
STEL = Short term exposure limit
NA = Not applicable
persistent, bioaccumulating and toxic (PBT).
vPvB = very persistent and very bioaccumulating
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Training staff on good practice.

Sources of key data used to compile the datasheet Training advice

 ECHA (European Chemicals Agency). European Chemicals Bureau SDS Supplier No LT16571 EU reviewed 26/03/2012.
 Manipulations are to be done only by qualified and authorised persons. Normal use

of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements:

Full lext of H- and EOH-statements.	
Acute Tox. 3 (Oral)	Acute toxicity Category 3
Acute Tox. 4 (Oral)	Acute toxicity Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - chronic hazard category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - chronic hazard category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - chronic hazard category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Met. Corr. Not classified	Corrosive to metals Not classified
Ox. Sol. 3	Oxidizing solid Category 3
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, hazard category 1
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains sodium benzothiazol-2-yl sulphide. May produce an allergic reaction.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Classification according to Regulation (EC) No. 1272/2008 [CLP] Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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