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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 : ES COMPLEAT PG PREMIX
Product code : CC2752M (5l jar); CC2754M (20l pail); CC2836M (208 L drum); CC2854M (1,000l tote); CC2837M (bulk)
Product group : Trade product
Document no. : LT16589 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 use
Use of the substance/mixture : Coolant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Cummins Filtration
Zone Industrielle du Grand Guelen
29556 Quimper Cedex 9 - France
T +33 (0) 2 98 76 49 49

Cummins Filtration
Catenbergstraat 1
2840 Rumst - Belgium
T +32 3 456 3000
productinfosds@cummins.com

Cummins Filtration
Entwistle Road
Daventry,
Northants, NN11 8NG - The United Kingdom
T +44 (0)1788 853600

1.4. Emergency telephone number


Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
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]

Not classified

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2.2. Label elements

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

Extra phrases : EUH210 - Safety data sheet available on request.

Labelling according to Directive 67/548/EEC or 1999/45/EC

2.3. Other hazards

Other hazards : Results of PBT and vPvB assessment : Not applicable.

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]
Propane-1,2-diol	(CAS-No.) 57-55-6 (EC-No.) 200-338-0	40 – 60	Not classified
sodium nitrite	(CAS-No.) 7632-00-0 (EC-No.) 231-555-9 (EC Index) 007-010-00-4	0,1 – 0,3	Ox. Sol. 3, H272 Acute Tox. 3 (Oral), H301 Eye Irrit. 2, H319 Aquatic Acute 1, H400
disodium tetraborate, anhydrous substance listed as REACH Candidate	(CAS-No.) 1330-43-4 (EC-No.) 215-540-4 (EC Index) 005-011-00-4	0,1 – 0,3	Eye Irrit. 2, H319 Repr. 1B, H360FD

Specific concentration limits:


Substance name	Product identifier	Specific concentration limits
disodium tetraborate, anhydrous	(CAS-No.) 1330-43-4 (EC-No.) 215-540-4 (EC Index) 005-011-00-4	(4,5 ≤C < 100) Repr. 1B, H360FD

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice	: First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	: Remove casualty to fresh air and keep warm and at rest. In case of doubt or persistent symptoms, consult always a physician.
Skin contact	: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. 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, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, consult always a physician.

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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 effects, both acute and delayed

Inhalation : Inhalation of vapours in high concentration may cause irritation of respiratory system.

Skin contact : May cause skin irritation in susceptible persons. Prolonged skin contact may defat the skin and produce dermatitis.

Eyes contact : May cause eye irritation with susceptible persons. The following symptoms may occur: erythema (redness). Pain .

Ingestion : May cause nausea, abdominal spasms and irritation of the mucous membranes. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.

Unsuitable extinguishing media : Strong water jet .

5.2. Special hazards arising from the substance or mixture

Specific hazards : Provide adequate ventilation. Evacuate personnel to a safe area. On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks. Vapours are heavier than air and may spread along floors. Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Nitrogen oxides. Phosphorus compounds.

5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel


For non-emergency personnel : Stay upwind/keep distance from source. Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Provide adequate ventilation. Stop leak if safe to do so. Dilute with plenty of water. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8 . Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep out of the reach of children. Use only in well ventilated areas. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8 . Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothing. After use replace the closing cap immediately. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials.

Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.

Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Special rules on packaging : Containers which are opened should be properly resealed and kept upright to prevent leakage.

Packaging materials : Keep only in the original container.

7.3. Specific end use(s)

Coolant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

sodium nitrite (7632-00-0)		
Lithuania	NRV (OEL C)	0,1 mg/m ³
disodium tetraborate, anhydrous (1330-43-4)		
Belgium	OEL TWA	2 mg/m ³
Belgium	OEL STEL	6 mg/m ³
Croatia	GVI (OEL TWA) [1]	1 mg/m ³
Denmark	OEL TWA [1]	1 mg/m ³
France	VME (OEL TWA)	1 mg/m ³
Greece	OEL TWA	10 mg/m ³
Ireland	OEL TWA [1]	1 mg/m ³ (Borates)
Ireland	OEL STEL	6 mg/m ³ (calculated)
Portugal	OEL TWA	2 mg/m ³ (inhalable fraction (Borate compounds, inorganic))



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disodium tetraborate, anhydrous (1330-43-4)

Portugal	OEL STEL	6 mg/m ³ (inhalable fraction)
Spain	VLA-ED (OEL TWA) [1]	2 mg/m ³
Spain	VLA-EC (OEL STEL)	6 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [1]	1 mg/m ³
United Kingdom	WEL STEL (OEL STEL)	3 mg/m ³ (calculated)
Norway	Grenseverdi (OEL TWA) [1]	1 mg/m ³
Norway	Korttidsverdi (OEL STEL)	3 mg/m ³ (value calculated)
Australia	OES TWA [1]	1 mg/m ³
Canada (Quebec)	VECD (OEL STEL)	6 mg/m ³ (inhalable dust (Borate, inorganic compounds))
Canada (Quebec)	VEMP (OEL TWA)	2 mg/m ³ (inhalable dust (Borate, inorganic compounds))
USA - ACGIH	ACGIH OEL TWA	2 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
USA - ACGIH	ACGIH OEL STEL	6 mg/m ³ (inhalable particulate matter (Borate compounds, inorganic))
USA - NIOSH	NIOSH REL TWA	1 mg/m ³

Propane-1,2-diol (57-55-6)

Croatia	GVI (OEL TWA) [1]	474 mg/m ³ (total vapor and particles) 10 mg/m ³ (particles)
Croatia	GVI (OEL TWA) [2]	150 ppm
Ireland	OEL TWA [1]	10 mg/m ³ (particulates) 470 mg/m ³ (total vapour and particulates)
Ireland	OEL TWA [2]	150 ppm (total vapour and particulates)
Ireland	OEL STEL	1410 mg/m ³ (calculated-particulates) 30 mg/m ³ (calculated)
Ireland	OEL STEL [ppm]	450 ppm (calculated-total vapour and particulates)
Latvia	OEL TWA	7 mg/m ³
Lithuania	IPRV (OEL TWA)	7 mg/m ³
Poland	NDS (OEL TWA)	100 mg/m ³ (vapor and inhalable fraction)
United Kingdom	WEL TWA (OEL TWA) [1]	474 mg/m ³ (total particulates and vapour) 10 mg/m ³ (particulates)
United Kingdom	WEL TWA (OEL TWA) [2]	150 ppm (total particulates and vapour)
United Kingdom	WEL STEL (OEL STEL)	1422 mg/m ³ (calculated-total particulate and vapour) 30 mg/m ³ (calculated-particulate)
United Kingdom	WEL STEL (OEL STEL) [ppm]	450 ppm (calculated-total particulate and vapour)
Norway	Grenseverdi (OEL TWA) [1]	79 mg/m ³
Norway	Grenseverdi (OEL TWA) [2]	25 ppm
Norway	Korttidsverdi (OEL STEL)	118,5 mg/m ³ (value calculated)
Norway	Korttidsverdi (OEL STEL) [ppm]	37,5 ppm (value calculated)
Australia	OES TWA [1]	474 mg/m ³ (total vapour and particulates) 10 mg/m ³ (particulates only)
Australia	OES TWA [2]	150 ppm (total vapour and particulates)

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8.2. Exposure controls

Engineering measure(s)	: Provide adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7 .
Personal protective equipment	: Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hand protection	: Wear chemically resistant gloves (tested to EN374) . Suitable material: Not determined. Thickness : Not determined. Breakthrough time : Not determined. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Eye protection	: Use suitable eye protection (EN166): Safety glasses. tightly fitting safety goggles
Body protection	: Wear suitable protective clothing
Respiratory protection	: Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. full face mask (DIN EN 136). Half-face mask (DIN EN 140). Filter type: A (EN 141). Self-contained breathing apparatus (EN 133) .
Thermal hazard protection	: Not required for normal conditions of use. Use dedicated equipment.
Environmental exposure controls	: Avoid release to the environment. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Blue.
Odour	: weakly.
Odour threshold	: No data available
pH	: 10,2 – 10,8
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	: 106 °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	: No data available
Vapour density	: No data available
Relative density	: 1,03 – 1,06
Solubility	: Water: Completely soluble
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: Not applicable
Dynamic viscosity	: Not applicable
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.

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Oxidising properties : Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.

Explosive limits : No data available

9.2. Other information

VOC content : No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions. 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 heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. See Section 7 for information on safe handling.

10.5. Incompatible materials

oxidising substances. acids and bases . See Section 7 for information on safe handling.

10.6. Hazardous decomposition products

Burning produces noxious and toxic fumes. Hazardous decomposition products. Carbon oxides. Nitrogen oxides (NOx). 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
disodium tetraborate, anhydrous (1330-43-4)	
LD50/oral/rat	2660 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	> 2 mg/m ³ (Exposure time: 4 h)
Propane-1,2-diol (57-55-6)	
LD50/oral/rat	20 g/kg
LD50/dermal/rabbit	20800 mg/kg

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 10,2 – 10,8

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 10,2 – 10,8

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)

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Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

ES COMPLEAT PG PREMIX	
Kinematic viscosity	Not applicable

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : Ecological injuries are not known or expected under normal use.

sodium nitrite (7632-00-0)	
LC50 - Fish [1]	0,19 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [1]	87 mg/l
LC50 - Fish [2]	0,092 – 0,13 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

disodium tetraborate, anhydrous (1330-43-4)	
LC50 - Fish [1]	340 mg/l (Exposure time: 96 h - Species: Limanda limanda)
EC50 - Crustacea [1]	1085 – 1402 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Propane-1,2-diol (57-55-6)	
LC50 - Fish [1]	51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 - Fish [2]	41 – 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [2]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

12.2. Persistence and degradability

ES COMPLEAT PG PREMIX	
Persistence and degradability	The product itself has not been tested.

12.3. Bioaccumulative potential

ES COMPLEAT PG PREMIX	
Partition coefficient n-octanol/water	No data available

sodium nitrite (7632-00-0)	
Partition coefficient n-octanol/water	-3,7 (at 25 °C)

disodium tetraborate, anhydrous (1330-43-4)	
BCF - Fish [1]	(no evidence of bioaccumulation)

Propane-1,2-diol (57-55-6)	
BCF - Fish [1]	< 1
Partition coefficient n-octanol/water	-14

12.4. Mobility in soil

ES COMPLEAT PG PREMIX	
Ecology - soil	The product itself has not been tested.


12.5. Results of PBT and vPvB assessment

ES COMPLEAT PG PREMIX	
Results of PBT assessment	Not applicable

Component	
disodium tetraborate, anhydrous (1330-43-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Additional information : No information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations

: Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC)

: 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

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available


- Inland waterway transport

No data available

- Rail transport

No data available

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

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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:

30. Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.	disodium tetraborate, anhydrous
--	---------------------------------

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Disodium tetraborate, anhydrous (EC 215-540-4, CAS 1330-43-4)

Contains no REACH Annex XIV substances

VOC content : No data available

15.1.2. National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
na	Not Applicable	na	na

Germany

Regulatory reference : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

German storage class (LGK) : LGK 12 - Non-combustible liquids

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

TA Luft : 5.2.5 Organic Substances

Netherlands

Waterbezwaarlijkheid : B (4) - Weinig schadelijk voor in het water levende organismen

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed


SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : disodium tetraborate, anhydrous is listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : disodium tetraborate, anhydrous is listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

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Not required

For the following substances of this mixture a chemical safety assessment has been carried out

Propane-1,2-diol

SECTION 16: Other information

Indication of changes:

SECTION 1, 2, 3, 9, 12, 14, 15, 16.

2.3	ED text	Added	
4.3	Indication of any immediate medical attention and special treatment needed	Added	
5.3	Protection during firefighting	Added	
5.3	Other information	Added	
7.2	Special rules on packaging	Added	
7.3	Specific end use(s)	Added	
11.2	Adverse health effects caused by endocrine disrupting properties	Added	
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added	
14.7	Maritime transport in bulk according to IMO instruments	Added	
15.1	Installations classées	Added	
15.1	Waterbezwaarlijkheid	Modified	


Abbreviations and acronyms:

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
DNEL = DNEL = Derived No Effect Level
PNEC = Predicted No Effect Concentration
TLV = Threshold limits
TWA = time weighted average
STEL = Short term exposure limit
persistent, bioaccumulating and toxic (PBT).
vPvB = very persistent and very bioaccumulating
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the datasheet : European Chemicals Bureau SDS Supplier No LT16589 EU reviewed 19/02/2010.

Training advice : 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. Training staff on good practice.

Other information : Classification - Assessment method: CLP Calculation method (Article 9).

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		Revision nr : 3.0
	ES COMPLEAT PG PREMIX	Issue date : 20/09/2021
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		LT16589 EU

Full text of H- and EUH-statements:

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
EUH210	Safety data sheet available on request.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.
H319	Causes serious eye irritation.
H360FD	May damage fertility. May damage the unborn child.
H400	Very toxic to aquatic life.
Ox. Sol. 3	Oxidising Solids, Category 3
Repr. 1B	Reproductive toxicity, Category 1B

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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