



YELLOW TEAT GEL

MATERIAL SAFETY DATA SHEET

RS Hygiene Limited, The Street Worlington Suffolk IP28 8RX
Telephone: 03331230202 EMail: tech@rshygiene.co.uk

1 PRODUCT IDENTIFIER

PRODUCT NAME YELLOW TEAR GEL
PRODUCT CODE 010982

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

For professional use only
Hygiene Range Cleaning foam, use before milking

1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

RS Hygiene Ltd, The Street, Worlington, Suffolk IP28 728 Tel: 03331230202

2 HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

In compliance with EC regulation No. 1272/2008 and its amendments

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP] Skin Corr. 1A H314

Serious eye damage, Category 1 (Eye Dam. 1, H318).

May produce an allergic reaction (EUH208).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

May produce an allergic reaction.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. LABEL ELEMENTS

Labelling according to Regulation (EC) No. 1272/2008 and its amendments

Signal Word:



DANGER

Product identifiers :

EC 9313338

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-COCO
ACYL DERIVES., INNER SALTS
IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO)

EC 931-138-8

Additional labeling :

EUH208

Contains EUCALYPTUS GLOBULUS OIL. May produce an allergic reaction.

Hazard statements :

H318

Causes serious eye damage.

Precautionary statements - Prevention :

P280

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

Precautionary statements - Response :

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/...

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.



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3 COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	67/548/EEC	Note	%
CAS: 68585-34-2	GHS07	Xi		2.5 <= x % < 10
EC: 500-223-8	Wng	Xi;R36/38		
LAURYL ETHER SULFATE DE SODIUM	Skin Irrit. 2, H315 Eye Irrit. 2, H319			
CAS: 56-81-5			[1]	2.5 <= x % < 10
EC: 200-289-5				
GLYCEROL				
CAS: 147170-44-3	GHS05	Xi		0 <= x % < 2.5
EC: 9313338	Dgr	Xi;R41		
REACH: 01-2119489410-39-000 2	Eye Dam. 1, H318			
1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYME THYL)-N,N-DIMETHYL-, N-COCO ACYL DERIVES., INNER SALTS				
CAS: 69011-36-5	GHS07, GHS05	Xn		0 <= x % < 2.5
EC: 931-138-8	Dgr	Xn;R22		
REACH: 02-2119552461-55-000 0	Acute Tox. 4, H302 Eye Dam. 1, H318	Xi;R41		
IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO)				
CAS: 84625-32-1	GHS07, GHS09, GHS08, GHS02	Xn,N Xn;R65		0 <= x % < 2.5
EC: 283-406-2	Dgr	Xi;R43-R38		
EUCALYPTUS GLOBULUS OIL	Flam. Liq. 3, H226 Asp. Tox. 1, H304 R10 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	N;R51/53		
CAS: 2372-82-9	GHS06, GHS05, GHS09, GHS08	C,N C;R35		0 <= x % < 2.5
EC: 219-145-8	Dgr	Xn;R48/22-R22 N;R50		
N-(3-AMINOPROPYL)-N- DODÉCYLPROPANE-1,3-D IAMINE	Acute Tox. 3, H301 Skin Corr. 1A, H314 STOT RE 2, H373 Aquatic Acute 1, H400 M Acute = 10			

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.



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SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.

In the event of swallowing :

Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

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

Information for the doctor :

The formulation is declared at the poison control center of Nancy, France.

SECTION 5 : FIREFIGHTING MEASURES

5.1. Extinguishing media

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist

- foam

- multipurpose ABC powder

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean-up instruction : Use an inert absorbent and wash area with plenty of water.



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6.4. Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture at all times.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep container tightly closed in a fresh and dry place.

Packaging

Always keep in packaging made of an identical material to the original.

Recommended types of packaging :

- Vats

Suitable packaging materials :

- Polyethylene

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA	STEL	Ceiling	Definition	Criteria :
56-81-5	10 mg/m ³	-	-	-	-

- France (INRS - ED984 :2008) :

CAS	VME-ppm	VME-mg/m ³	VLE-ppm	VLE-mg/m ³	Notes	TMP No :
56-81-5	-	10	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA	STEL	Ceiling	Definition	Criteria :
56-81-5	10 mg/m ³	-	-	-	-

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-COCO ACYL DERIVES., INNER SALTS (CAS: 147170-44-3)

Final use

Exposure method

Potential health effects

DNEL

Exposure method

Potential health effects

DNEL

Final use

Exposure method

Potential health effects

Workers.

Dermal contact.

Long term systemic effects.

12.5 mg/kg body weight/day

Inhalation.

Long term systemic effects.

44 mg of substance/m³

Consumers.

Ingestion.

Long term systemic effects.



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DNEL	7.5 mg/kg body weight/day
Exposure method	Dermal contact.
Potential health effects	Long term systemic effects.
DNEL	7.5 mg/kg body weight/day
Predicted no effect concentration (PNEC):	
1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-COCO ACYL DERIVES., INNER SALTS (CAS: 147170-44-3)	
Environmental compartment	Soil.
PNEC	0.8
Environmental compartment	Fresh water.
PNEC	0.0135 mg/l
Environmental compartment	Sea water.
PNEC	0.0014 mg/l
Environmental compartment	Fresh water sediment.
PNEC	1 mg/kg
Environmental compartment	Marine sediment.
PNEC	0.1 mg/kg
Environmental compartment	Waste water treatment plant.
PNEC	3000 mg/l
LAURYL ETHER SULFATE DE SODIUM (CAS: 68585-34-2)	
Environmental compartment	Soil.
PNEC	0.946 mg/kg
Environmental compartment	Fresh water.
PNEC	0.24 mg/l
Environmental compartment	Sea water.
PNEC	0.024 mg/l
Environmental compartment	Intermittent waste water.
PNEC	0.071 mg/l
Environmental compartment	Fresh water sediment.
PNEC	5.45 mg/l
Environmental compartment	Marine sediment.
PNEC	0.545 mg/l
Environmental compartment	Waste water treatment plant.
PNEC	10 g/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled,



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necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state Fluid liquid.

Important health, safety and environmental information

pH 6.70 .

Neutral.

Boiling point/boiling range : Not specified.

Flash point interval Not relevant.

Vapour pressure (50°C) Not relevant.

Density 1.02

Water solubility Dilutable.

Melting point/melting range Not specified.

Self-ignition temperature Not specified.

Decomposition point/decomposition range Not specified.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

- frost

Do not mix with other products unless you have a written authorization from us.

10.5. Incompatible materials

Keep away from :

- strong acids
- strong bases
- strong oxidising agents
- strong reducing agents

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1.1. Substances

Acute toxicity :



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N-(3-AMINOPROPYL)-N-DODÉCYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)

Oral route LD50 < 300 mg/kg
Species Rat

EUCALYPTUS GLOBULUS OIL (CAS: 84625-32-1)

Oral route LD50 = 3100 mg/kg

IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO) (CAS: 69011-36-5)

Oral route 300 < LD50 <= 2000 mg/kg
Species Rat

Dermal route : LD50 > 2000 mg/kg

Species Rabbit

GLYCEROL (CAS: 56-81-5)

Oral route LD50 = 12000 mg/kg

Species Rat

Dermal route LD50 > 10000 mg/kg

Species Rabbit

Inhalation route LC50 > 0.57 mg/l

Species Rat

LAURYL ETHER SULFATE DE SODIUM (CAS: 68585-34-2)

Oral route LD50 > 2000 mg/kg

Species Rat

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route LD50 > 2000 mg/kg

Species Rat

OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/skin irritation :

IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO) (CAS: 69011-36-5)

Species Rabbit

Serious damage to eyes/eye irritation :

IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO) (CAS: 69011-36-5)

The substance produces at least in one animal effects on the cornea that are not expected to reverse or have not fully reversed within an observation period of normally 21 days. The substance produces at least in one animal effects on the iris that are not expected to reverse or have not fully reversed within an observation period of normally 21 days. The substance produces at least in one animal effects on the conjunctiva that are not expected to reverse or have not fully reversed within an observation period of normally 21 days. The substance produces at least in one animal effects on the conjunctiva that are not expected to reverse or have not fully reversed within an observation period of normally 21 days.

Respiratory or skin sensitisation :

IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO) (CAS: 69011-36-5)

Guinea Pig Maximisation Test (GMPT)

Species Non-sensitiser.

Species Guinea pig

Germ cell mutagenicity :

IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO) (CAS: 69011-36-5)

No mutagenic effect.

Mutagenesis (in vivo) : Negative.

Carcinogenicity :

IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO) (CAS: 69011-36-5)

Carcinogenicity Test : Negative.

No carcinogenic effect.

Reproductive toxicant :

IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO) (CAS: 69011-36-5)

No toxic effect for reproduction

Study on fertility Species Rat

Study on development Species Rat



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11.1.2. Mixture

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

N-(3-AMINOPROPYL)-N-DODÉCYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)

Fish toxicity LC50 > 0.1 mg/l
Factor M = 1
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity EC50 = 0.078 mg/l
Factor M = 10
Duration of exposure : 48 h

Algae toxicity ECr50 = 0.015 mg/l
Factor M = 10
Duration of exposure : 72 h

IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO) (CAS: 69011-36-5)

Fish toxicity 1 < LC50 <= 10 mg/l
Species Cyprinus carpio
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity 1 < EC50 <= 10 mg/l
Species Daphnia magna
Duration of exposure : 48 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity 1 < ECr50 <= 10 mg/l
Species Desmodesmus subspicatus
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

GLYCEROL (CAS: 56-81-5)

Fish toxicity LC50 = 54000 mg/l
Species Oncorhynchus mykiss
Duration of exposure 96 h

Crustacean toxicity EC50 > 10000 mg/l
Species Daphnia magna
Duration of exposure 24 h

12.2. Persistence and degradability

LAURYL ETHER SULFATE DE SODIUM (CAS: 68585-34-2)

Fish toxicity LC50 = 7.1 mg/l
Species Brachydanio rerio
Duration of exposure 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity EC50 = 7.4 mg/l
Species Daphnia magna
Duration of exposure 48 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity ECr50 = 27 mg/l
Species Scenedesmus subspicatus
Duration of exposure 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC = 0.955 mg/l
Species Scenedesmus subspicatus
Duration of exposure 72 h



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12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

N-(3-AMINOPROPYL)-N-DODÉCYLPROPANE-1,3-DIAMINE (CAS: 2372-82-9)

Biodegradability Fast degrading.

IOSOTRIDÉCANOL, ÉTHOXYLÉ (>7 - <15 EO) (CAS: 69011-36-5)

Biodegradability no degradability data is available, the substance is considered as not degrading quickly.

GLYCEROL (CAS: 56-81-5)

Biodegradability no degradability data is available, the substance is considered as not degrading quickly.

LAURYL ETHER SULFATE DE SODIUM (CAS: 68585-34-2)

Biodegradability no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

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

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

16 05 08 * discarded organic chemicals consisting of or containing dangerous substances

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014)

SECTION 15: REGULATORY INFORMATION

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

- CLASSIFICATION AND LABELLING INFORMATION INCLUDED IN SECTION 2:

The following regulations have been used:

- Directive 67/548/EEC and its adaptations

- Directive 1999/45/EC and its adaptations

- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.

- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.



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- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.
- Container information:
No data available.
- Particular provisions :
No data available.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Contains :

Contains EC 283-406-2 EUCALYPTUS GLOBULUS OIL. May produce an allergic reaction.

Risk phrase :

Safety data sheet available for professional user on request.

Title for H, EUH and R indications mentioned in section 3 :

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314 H315	Causes severe skin burns and eye damage. 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.
R 10	Flammable.
R 22	Harmful if swallowed.
R 35	Causes severe burns.
R 36/38	Irritating to eyes and skin.
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 43	May cause sensitisation by skin contact.
R 48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R 50	Very toxic to aquatic organisms.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65	Harmful: may cause lung damage if swallowed.

Abbreviations :

DNEL	Derived No-Effect Level
PNEC	Predicted No-Effect Concentration
ICAO	International Civil Aviation Organisation
RID	Regulations concerning the International carriage of Dangerous goods by rail.
WGK	Wassergefährdungsklasse (Water Hazard Class).
GHS05	Corrosion