

DT MAX - 1117080

## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : DT MAX  
Product code : 1117080.  
UFI : U4KS-U698-W300-TSN1

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

For professional use only  
detergent Strong alkaline detergent for livestock buildings and material

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : HUVEPHARMA SA.  
Address : 34 rue Jean Monnet , Z.I. d'Etriché, Segré .49500.SEGRE-EN-ANJOU BLEU.France.  
Telephone : +33 (0) 2 41 92 11 11. Fax : +33 (0) 2 41 61 04 59.  
E-mail : info-france@huvepharma.com

#### 1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : France - INRS / ORFILA <http://www.centres-antipoison.net> .

#### Other emergency numbers

Belgium : National Poisons Control Center : 70 245 245  
Bulgaria : Emergency Medicine N.I. Pirogov'' : +35 9 2 9154 233  
Czech Republic : Toxikologické informacní středisko : +42 0 224 919 293 / +420 224 915 402  
Denmark : Giftlinjen : 82 12 12 12  
Germany : Giftnotruf der Charité : 030 / 19240  
Greece : National Poison Information Center : (0030) 2107793777  
Hungary : Információs szolgálat akut mérgezés esetén : (+36-80) 201-199  
Ireland : Poisons Information Centre, Beaumont Hospital : 01 8092566 / 01 8379964  
Italy : Ospedale Niguarda Ca'Granda : 02 661 010 29  
Netherlands : National Poisons Information Center : 030-2748888  
Poland : Poisons information Centre : (00 48)(58) 47 82 22 / (00 48)(58) 31 65 16  
Portugal : Portugal CIAV inha telefónica exclusiva: +351 800 250 250  
Romania : Biroul RSI si Informare Toxicologica : 021 318 36 06  
Slovakia : National Toxicological Information Center : +421 2 5477 4166  
Espana : Teléfono de emergencias: + 34 91 562 04 20 (Solo emergencias toxicológicas. Información en español (24h/365 días)  
24h emergency consultation telephone in China :010-62129530  
United Kingdom : NHS 111  
Austria : Notruf 0–24 Uhr: 01 406 43 43

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

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

Skin corrosion, Category 1A (Skin Corr. 1A, H314).

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

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.

#### 2.2. Label elements

Detergent mixture (see section 15).

Mixture for spray application.

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

Hazard pictograms :



GHS05

Signal Word :

DANGER

Product identifiers :

011-002-00-6 SODIUM HYDROXIDE

Hazard statements :

H314 Causes severe skin burns and eye damage.

Precautionary statements - Prevention :

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

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

Precautionary statements - Response :

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

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/...

Precautionary statements - Disposal :

P501 Dispose of contents/container according to local regulation

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

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**Composition :**

Identification	(EC) 1272/2008	Note	%
INDEX: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5 REACH: 01-2119457892-27-xxxx  SODIUM HYDROXIDE	GHS05 Dgr Skin Corr. 1A, H314	[1]	2.5 <= x % < 10
INDEX: MERIEL58 CAS: 68515-73-1 EC: 500-220-1 REACH: 01-2119488530-36-xxxx  GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES	GHS05 Dgr Eye Dam. 1, H318		2.5 <= x % < 10
INDEX: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3 REACH: 01-2119487136-33-xxxx  POTASSIUM HYDROXIDE	GHS05, GHS07 Dgr Acute Tox. 4, H302 Skin Corr. 1A, H314	[1]	2.5 <= x % < 10
INDEX: MERIEL6 CAS: 110615-47-9 EC: 600-975-8 REACH: 01-2119489418-23-xxxx  GLUCOPYRANOSE, OLIGOMERIC, C10-16(E VEN NUMBERED)-ALKYL GLYCOSIDES	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318		0 <= x % < 2.5

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(Full text of H-phrases: see section 16)

**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 :**

Carry the victim to fresh air. Seek for medical advice (show the label or MSDS)

**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, 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 :**

Remove any soiled or splashed clothing immediately.  
Watch out for any remaining product between skin and clothing, watches, shoes, etc.  
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**In the event of swallowing :**

Do not give the patient anything orally.  
Seek medical attention immediately, 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 :**

Formula declared at the anti-poison center

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**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media**

**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 (CO<sub>2</sub>)

**5.3. Advice for firefighters**

No data available.

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**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**

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

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**6.4. Reference to other sections**

No data available.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. 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.

**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**

Keep in a cool place away from .....(incompatible materials)

**Packaging**

Keep strictly in original packaging

**7.3. Specific end use(s)**

No data available.

**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 :
1310-73-2			2 mg/m3		
1310-58-3			2 mg/m3		

- France (INRS - ED984 / 2020-1546) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
1310-73-2	-	2	-	-	-	-
1310-58-3	-	-	-	2	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1310-73-2		2 mg/m <sup>3</sup>			
1310-58-3		2 mg/m <sup>3</sup>			

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

GLUCOPYRANOSE,OLIGOMERIC,C10-16(EVEN NUMBERED)-ALKYL GLYCOSIDES (CAS: 110615-47-9)

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Workers.**

Dermal contact.  
Long term systemic effects.  
595000 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Inhalation.  
Long term systemic effects.  
420 mg of substance/m<sup>3</sup>

POTASSIUM HYDROXIDE (CAS: 1310-58-3)

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Workers.**

Inhalation.  
Long term local effects.  
1 mg of substance/m<sup>3</sup>

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**GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES (CAS: 68515-73-1)**

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Workers.**

Dermal contact.  
Long term systemic effects.  
595000 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Inhalation.  
Long term systemic effects.  
420 mg of substance/m<sup>3</sup>

**Predicted no effect concentration (PNEC):**

**GLUCOPYRANOSE, OLIGOMERIC, C10-16 (EVEN NUMBERED)-ALKYL GLYCOSIDES (CAS: 110615-47-9)**

Environmental compartment:  
PNEC :

Fresh water.  
0.1 mg/l

Environmental compartment:  
PNEC :

Sea water.  
0.005 mg/l

Environmental compartment:  
PNEC :

Fresh water sediment.  
0.487 mg/kg

Environmental compartment:  
PNEC :

Marine sediment.  
0.048 mg/kg

**GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES (CAS: 68515-73-1)**

Environmental compartment:  
PNEC :

Soil.  
0.654 mg/kg

Environmental compartment:  
PNEC :

Fresh water.  
0.1 mg/l

Environmental compartment:  
PNEC :

Sea water.  
0.01 mg/l

Environmental compartment:  
PNEC :

Fresh water sediment.  
0.487 mg/kg

Environmental compartment:  
PNEC :

Marine sediment.  
0.048 mg/kg

Environmental compartment:  
PNEC :

Waste water treatment plant.  
560 mg/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.

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

When spraying, wear a face shield in accordance with standard EN166.

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.

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**- Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

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

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN ISO 374-2

Breakthrough time :  $\geq$  8 hours

Thickness : 0,35 mm (nitrile)

Thickness 0,5 mm (butyle)

**- Body protection**

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**

If there is a risk when spraying, wear respiratory protection (FFP2 mask)

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**SECTION 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 : 14.00 .  
Strongly basic.

Boiling point/boiling range : Not specified.

Flash point interval : Not relevant.

Vapour pressure (50°C) : Not relevant.

Density : 1.15

Water solubility : Soluble.

Melting point/melting range : Not specified.

Self-ignition temperature : Not specified.

Decomposition point/decomposition range : Not specified.

**9.2. Other information**

No data available.

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**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**

Avoid :

- frost

**10.5. Incompatible materials**

Keep away from :

- acids

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- oxidising agents
- reducing agents
- peroxides

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

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**SECTION 11 : TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure for up to three minutes.

Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars.

**11.1.1. Substances**

**Acute toxicity :**

GLUCOPYRANOSE,OLIGOMERIC,C10-16(EVEN NUMBERED)-ALKYL GLYCOSIDES (CAS: 110615-47-9)  
Dermal route : LD50 > 2000 mg/kg

**Germ cell mutagenicity :**

GLUCOPYRANOSE,OLIGOMERIC,C10-16(EVEN NUMBERED)-ALKYL GLYCOSIDES (CAS: 110615-47-9)  
Mutagenesis (in vitro) : Negative.  
Species : Mammalian Cell Line  
OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES (CAS: 68515-73-1)  
No mutagenic effect.

Mutagenesis (in vitro) : Negative.  
Species : Bacteria  
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

**11.1.2. Mixture**

No toxicological data available for the mixture.

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**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.1. Substances**

GLUCOPYRANOSE,OLIGOMERIC,C10-16(EVEN NUMBERED)-ALKYL GLYCOSIDES (CAS: 110615-47-9)  
Fish toxicity : LC50 > 2.95 mg/l  
Species : Danio rerio  
Duration of exposure : 96 h

Crustacean toxicity : EC50 > 7 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

Algae toxicity : ECr50 > 5 mg/l  
Species : Desmodesmus subspicatus  
Duration of exposure : 72 h

GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES (CAS: 68515-73-1)  
Fish toxicity : LC50 > 100 mg/l  
Species : Danio rerio  
Duration of exposure : 96 h

Crustacean toxicity : EC50 > 100 mg/l

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Species : Daphnia magna  
Duration of exposure : 48 h

Algae toxicity :

ECr50 > 27 mg/l  
Species : Desmodesmus subspicatus  
Duration of exposure : 72 h

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

**12.2.1. Substances**

GLUCOPYRANOSE, OLIGOMERIC, C10-16 (EVEN NUMBERED)-ALKYL GLYCOSIDES (CAS: 110615-47-9)  
Biodegradability : Rapidly degradable.

GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES (CAS: 68515-73-1)  
Biodegradability : Rapidly degradable.

**12.2.2. Mixtures**

Surfactants contained in the mixture comply with European regulation

**12.3. Bioaccumulative potential**

**12.3.1. Substances**

GLUCOPYRANOSE, OLIGOMERS, DECYL OCTYL GLYCOSIDES (CAS: 68515-73-1)  
Octanol/water partition coefficient :  $\log K_{ow} < 1.77$

**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.

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**SECTION 13 : DISPOSAL CONSIDERATIONS**

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 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :**

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

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**SECTION 14 : TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2019 - IMDG 2018 - ICAO/IATA 2020).

**14.1. UN number**

3267

**14.2. UN proper shipping name**

UN3267=CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(sodium hydroxide)

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14.3. Transport hazard class(es)

- Classification :



8

14.4. Packing group

II

14.5. Environmental hazards

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14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	8	C7	II	8	80	1 L	274	E2	2	E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	8	-	II	1 L	F-A, S-B	274	E2	Category B SW2	SGG18 SG35

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	8	-	II	851	1 L	855	30 L	A3 A803	E2
	8	-	II	Y840	0.5 L	-	-	A3 A803	E2

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

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:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/669 (ATP 11)

- Container information:

No data available.

- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- 5 % or over but less than 15 % : nonionic surfactants

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.

Wording of the phrases mentioned in section 3 :

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.

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**Abbreviations :**

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

UFI : Unique Formula Identifier

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.