SAFETY DATA SHEET



(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

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

1.1. Product identifier

Product name : ATF 236.15 Product code : 19284

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

Transmission oil



1.3. Details of the supplier of the safety data sheet

Registered company name: MOTUL

Address: 119, Boulevard Felix Faure. 93300 AUBERVILLIERS CEDEX FRANCE

Telephone: 33.1.48.11.70.00. Fax: 33.1.48.33.28.79. Telex: .

Email: motul_hse@motul.fr



1.4. Emergency telephone number : +44 (0) 1235 239 670.

Association/Organisation: ORFILA.



Other emergency numbers

UNITED STATES: 001 866 928 0789 / CANADA: 001 800 579 7421 / MEXICO: +52 55 5004 8763 / MIDDLE EAST - AFRICA: +44 1235

239671

BRAZIL: +55 11 3197 5891 / COLOMBIA: +57 601 508 7337 / ARGENTINA: +54 11 5984 3690 / CHILE: +562 2582 9336

Ireland: +353 1 8092566 24 hours a day, 7 days a week

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Aspiration hazard, Category 1 (Asp. Tox. 1, H304).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

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

2.2. Label elements



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

Hazard pictograms :



GHS08

Signal Word : DANGER

Product identifiers :

EC 276-738-4 LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED

Hazard statements :

H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements - General :

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements - Prevention:

P273 Avoid release to the environment.

Precautionary statements - Response :

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

Precautionary statements - Storage:

P405 Store locked up.

Precautionary statements - Disposal :

P501 Dispose of contents / container in accordance with local / regional / national /

international regulations



2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 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. The mixture does not contain substances> = 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures



omposition :			
Identification	(EC) 1272/2008	Note	%
CAS: 72623-87-1	GHS08	L	50 <= x % < 100
EC: 276-738-4	Dgr		
REACH: 01-2119474889-13	Asp. Tox. 1, H304		
LUBRICATING OILS (PETROLEUM),			
C20-50, HYDROTREATED NEUTRAL			
OIL-BASED			
CAS: 64742-54-7		L	2.5 <= x % < 10
EC: 265-157-1			
REACH: 01-2119484627-25			
DISTILLATES (PETROLEUM),			
HYDROTREATED HEAVY PARAFFINIC			
EC: 620-540-6	GHS07, GHS05, GHS09		0 <= x % < 1
REACH: 01-2119510877-33	Dgr		
	Acute Tox. 4, H302		
2,2'-(C16-18 (EVENNUMBERED, C18	Skin Corr. 1C, H314		
UNSATURATED) ALKYL IMINO)	Eye Dam. 1, H318		
DIETHANOL	Aquatic Acute 1, H400		
	M Acute = 10		
	Aquatic Chronic 1, H410		
	M Chronic = 1		
CAS: 124-28-7	GHS07, GHS05, GHS09		0 <= x % < 1
EC: 204-694-8	Dgr		
REACH: 01-2119486676-20	Acute Tox. 4, H302		
	Skin Corr. 1B, H314		
DIMANTINE	Eye Dam. 1, H318		
	Aquatic Acute 1, H400		
	M Acute = 10		
	Aquatic Chronic 1, H410		
	M Chronic = 1		
EC: 939-485-7	GHS07, GHS05, GHS09		0 <= x % < 1
REACH: 01-2119974116-35	Dgr		
	Acute Tox. 4, H302		
3-((C9-11-ISO,C10-RICH)ALKYLOXY	Skin Corr. 1B, H314		
PROPAN-1-AMINE	Eye Dam. 1, H318		
	Aquatic Acute 1, H400		
	M Acute = 100		
	Aquatic Chronic 1, H410		
	M Chronic = 1		



Specific concentration limits:

• • • • • • • • • • • • • • • • • • • •		
Identification	Specific concentration limits	ATE
EC: 620-540-6		inhalation: ATE = 220 mg/l 1h
REACH: 01-2119510877-33		(vapours)
2,2'-(C16-18 (EVENNUMBERED, C18		
UNSATURATED) ALKYL IMINO)		

(1)

Information on ingredients:

DIMANTINE

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

Note L: The carcinogen classification does not apply because the substance contains less than 3 % w/w of dimethyl sulphoxide (DMSO) measured using the IP 346 method.

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.

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4.1. description of first aid measures

In the event of exposure by inhalation:

Remove the victim to fresh air. If the symptoms persist, call a physician.

In the event of splashes or contact with eyes :

Wash immediately and abundantly with water, including under the eyelids.

In the event of splashes or contact with skin:

Immediately remove all soiled clothing.

Wash immediately and abundantly with soap and water.

In the event of swallowing:

Do not give the patient anything orally.

Seek medical attention, showing the label.

If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

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

No data available.

SECTION 5: FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

Dry agent, foam, carbon dioxide.

Unsuitable methods of extinction

High volume 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.

Spilled product may make surfaces slippery.

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 preferably with a detergent, do not use solvents.

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.

Do not swallow

Do not get in eyes, on skin, or on clothing.

Fire prevention:

Never inhale this mixture.

Prevent access by unauthorised personnel.

Take precautionary measures against static discharges by bonding and grounding equipment.

No smoking.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Ensure good ventilation at the workplace

Prohibited equipment and procedures:

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

Do not breathe fumes, vapour, spray.

7.2. Conditions for safe storage, including any incompatibilities

Store between 5°C and 40°C in a dry, well ventilated place.

Only use hydrocarbon-resistant containers, joints and pipes.

Storage

Keep out of reach of children.

Keep away from food and drink, including those for animals.

Packaging

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

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

Predicted no effect concentration (PNEC):

3-((C9-11-ISO,C10-RICH)ALKYLOXY)PROPAN-1-AMINE

Environmental compartment: Fresh water. PNEC: 0.0042 mg/l

DIMANTINE (CAS: 124-28-7)

Environmental compartment: Fresh water.
PNEC: 0.00026 mg/l

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

Personnel shall wear regularly laundered overalls.



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

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Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.



- 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.

Glove	0.38 mm
thickness:	
Break-through	> 480 mn
time:	

Recommended properties:

- Impervious gloves in accordance with standard EN ISO 374-2 (Type A)

- Body protection

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

Breathing apparatus only when aerosol or spray are formed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

(Physical state		
	Physical state :	Fluid liquid.	
4	祋 Colour		
	Color:	Blue	
Odour			
	Odour threshold :	Not stated.	
	Melting point		
	Melting point/melting range :	Not relevant.	
	Freezing point		
	Freezing point / Freezing range :	Not stated.	
(h)			
	Boiling point/boiling range :	Not relevant.	
(1)	Flammability		
	Flammability (solid, gas):	Not stated.	
(h)	Lower and upper explosion limit		
,	Explosive properties, lower explosivity limit (%):	Not stated.	
	Explosive properties, upper explosivity limit (%):	Not stated.	
Flash point			
	Flash Point Interval :	FP > 100°C.	
Auto-ignition temperature			
	Self-ignition temperature :	Not relevant.	
	Decomposition temperature		
	Decomposition point/decomposition range :	Not relevant.	
	pH		
	pH (aqueous solution):	Not stated.	
	pH:	Not relevant.	
4	Kinematic viscosity		
	Viscosity:	16 mm²/s à 40°C	
	Viscosity:	14 mm2/s < v <= 20,5 mm2/s (40°C)	
W	Solubility		
	Water solubility:	Insoluble.	
	Fat solubility :	Not stated.	
W)	Partition coefficient n-octanol/water (log value)		
	Partition coefficient: n-octanol/water :	Not stated.	
4	Vapour pressure		
	Vapour pressure (50°C) :	Not relevant.	

Density and/or relative density

Density: Not stated.

Relative vapour density

Vapour density : Not stated

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

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

Keep away from heat and from sources of ignition

Take precautionary measures against static discharges.

10.5. Incompatible materials

Strong oxidants

Acids

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

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

SECTION 11: TOXICOLOGICAL INFORMATION

(1) 11.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

11.1.1. Substances

Acute toxicity :

3-((C9-11-ISO,C10-RICH)ALKYLOXY)PROPAN-1-AMINE

Oral route: LD50 < 2000 mg/kg

Species: Rat

OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

DIMANTINE (CAS: 124-28-7)

Oral route: LD50 = 1230 mg/kg

Species: Rat

Dermal route : LD50 = 8000 mg/kg

Species : Rabbit

2,2'-(C16-18 (EVENNUMBERED, C18 UNSATURATED) ALKYL IMINO) DIETHANOL

Oral route : 300 < LD50 <= 2000 mg/kg

Species : Rat

OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route : LD50 > 5000 mg/kg

Species : Rabbit

OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

Inhalation route (Vapours): LC50 = 220 mg/l

Duration of exposure: 1 h

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Oral route : LD50 > 5000 mg/kg

Species : Rat

OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route: LD50 > 5000 mg/kg

Species: Rabbit

OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

Inhalation route (Dusts/mist): LC50 > 5.53 mg/l

Species: Rat

OCDE Ligne directrice 403 (Toxicité aiguë par inhalation)

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (CAS: 72623-87-1)

Oral route : LD50 > 5000 mg/kg

Species: Rat

OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route : 2,000 < LD50 <= 5000 mg/kg

Species : Rabbit

OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

Inhalation route (Dusts/mist) : LC50 > 5.53 mg/l

Species: Rat

OCDE Ligne directrice 403 (Toxicité aiguë par inhalation)

Germ cell mutagenicity:

3-((C9-11-ISO,C10-RICH)ALKYLOXY)PROPAN-1-AMINE

Mutagenesis (in vitro): Negative.

Species: Bacteria

DIMANTINE (CAS: 124-28-7)

Mutagenesis (in vitro): Negative.

Species: Bacteria

2,2'-(C16-18 (EVENNUMBERED, C18 UNSATURATED) ALKYL IMINO) DIETHANOL

Mutagenesis (in vitro): Negative.

Species : Mammalian Cell Line

OCDE Ligne directrice 476 (Essai in vitro de mutation génique sur des

cellules de mammifères)

11.1.2. Mixture

Skin corrosion/skin irritation:

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non allergic contact dermatitis and absorption through the skin.

Aspiration hazard :

May be fatal if swallowed and enters airways.

Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

"Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons."

May cause lung damage if swallowed



11.2. Information on other hazards

SECTION 12: ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

3-((C9-11-ISO,C10-RICH)ALKYLOXY)PROPAN-1-AMINE

Fish toxicity: LC50 = 2.14 mg/l

Factor M = 100 Species : Danio rerio Duration of exposure: 96 h

Crustacean toxicity: EC50 = 1.05 mg/l

Factor M = 100

Species : Daphnia magna Duration of exposure : 48 h

NOEC = 0.738 mg/lFactor M = 1

Species : Daphnia magna Duration of exposure : 21 jours

Algae toxicity: ECr50 = 0.0544 mg/l

Factor M = 100

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72 h

NOEC = 0.0421 mg/l

Factor M = 1

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72 h

DIMANTINE (CAS: 124-28-7)

Fish toxicity: LC50 = 0.26 mg/l

Factor M = 10 Species : Danio rerio Duration of exposure : 96 h

Crustacean toxicity: EC50 = 0.0558 mg/l

Factor M = 10

Species : Daphnia magna Duration of exposure : 48 h

NOEC = 0.036 mg/l

Factor M = 1

Species : Daphnia magna Duration of exposure : 21 jours

Algae toxicity : ECr50 = 0.0165 mg/l

Factor M = 10

Duration of exposure: 72 h

NOEC = 0.00256 mg/l

Factor M = 1

Duration of exposure: 72 h

2,2'-(C16-18 (EVENNUMBERED, C18 UNSATURATED) ALKYL IMINO) DIETHANOL

Fish toxicity : LC50 = 0.1 mg/l

Factor M = 10 Species : Danio rerio Duration of exposure : 96 h

Crustacean toxicity: EC50 = 0.043 mg/l

Factor M = 10

Species : Daphnia magna Duration of exposure : 48 h

NOEC = 0.0107 mg/l

Factor M = 1

Species : Daphnia magna Duration of exposure : 72 h

Algae toxicity: ECr50 = 0.0538 mg/l

Factor M = 10

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72 h

NOEC = 0.0156 mg/l

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Fish toxicity: LC50 > 100 mg/l

Species : Pimephales promelas Duration of exposure : 96 h

NOEC = 1000 mg/l

Species: Oncorhynchus mykiss

Crustacean toxicity: EC50 > 10000 mg/l

Species : Daphnia magna Duration of exposure : 48 h

NOEC = 10 mg/l

Species : Daphnia magna Duration of exposure : 21 jours

Algae toxicity: NOEC >= 100 mg/l

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72 h

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (CAS: 72623-87-1)

Fish toxicity: LC50 > 100 mg/l

Species : Pimephales promelas Duration of exposure : 96 h

NOEC >= 1000 mg/l

Species : Oncorhynchus mykiss Duration of exposure : 14 jours

Crustacean toxicity: EC50 > 10000 mg/l

Species : Daphnia magna Duration of exposure : 48 h

NOEC = 10 mg/l

Species : Daphnia magna Duration of exposure : 21 jours

Algae toxicity: NOEC >= 100 mg/l

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72 h

12.1.2. Mixtures

Crustacean toxicity: Harmful.

10 < EC50 <= 100 mg/l Species : Daphnia magna

12.2. Persistence and degradability

12.2.1. Substances

3-((C9-11-ISO,C10-RICH)ALKYLOXY)PROPAN-1-AMINE

Biodegradability: Rapidly degradable.

DIMANTINE (CAS: 124-28-7)

Biodegradability: Rapidly degradable.

2,2'-(C16-18 (EVENNUMBERED, C18 UNSATURATED) ALKYL IMINO) DIETHANOL

Biodegradability: Rapidly degradable.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Biodegradability: Non-rapidly degradable.

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASED (CAS: 72623-87-1)

Biodegradability: Non-rapidly degradable.



12.2.2. Mixtures

12.3. Bioaccumulative potential

12.3.1. Substances

DIMANTINE (CAS: 124-28-7)

Octanol/water partition coefficient : log Koe > 6.91

12.4. Mobility in soil

Not very mobile in soil.

The product is insoluble in water and will spread on the surface

12.5. Results of PBT and vPvB assessment

No data available.



12.6. Endocrine disrupting properties

No data available.



12.7. Other adverse effects

Do not dispose of the product in the natural environment, effluents or surface waters.

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.

SECTION 14: TRANSPORT INFORMATION

Exempt from transport classification and labelling.



14.1. UN number or ID number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

-

14.4. Packing group

14.5. Environmental hazards

-

14.6. Special precautions for user

SECT

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. 2018/1480 (ATP 13)
- Container information:

Packaging to be fitted with child-resistant fastenings (see EC Regulation No. 1272/2008, Annex II, Part 3). Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

- 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.

Wording of the phrases mentioned in section 3:

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.



Abbreviations:

LD50: The dose of a test substance resulting in 50% lethality in a given time period.

LC50: The concentration of a test substance resulting in 50% lethality in a given period.

EC50: The effective concentration of substance that causes 50% of the maximum response.

ECr50: The effective concentration of substance that causes 50% reduction in growth rate.

NOEC: The concentration with no observed effect.

REACH: Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE: Acute Toxicity Estimate

BW: Body Weight

PNEC: Predicted No-Effect Concentration

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 : Wassergefahrdungsklasse (Water Hazard Class).

GHS08: Health hazard

PBT: Persistent, bioaccumulable and toxic. vPvB: Very persistent, very bioaccumulable. SVHC: Substances of very high concern.