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Name : PRODIFLORE 3D LONGUE REMANENCE COCKTAIL - 3443



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

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

1.1. Product identifier

Product name : PRODIFLORE 3D LONGUE REMANENCE COCKTAIL

Product code : 3443.

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

1.3. Details of the supplier of the safety data sheet

Registered company name : PRODIFA.

Address : ZAE les dix Muids.59770.Marly.France.

Telephone : 03.27.28.19.19. Fax : 03.27.28.19.10.

info@prodifa.com

http://www.prodifa.com/

1.4. Emergency telephone number : 03.83.32.36.36.

Association/Organisation : Centre anti-poison de Nancy.

Other emergency numbers

London / National Poisons Information Service Guy's Hospital Poisons Unit, Avonley Road, London SE14 SER : (44) 71.955.50.95Fax : (44) 71.639.21.01 Standard : (44) 71.635.91.91

Berlin / Toxikologischer Beratungsdienst (Poisons Information Centre) Institut fur Pharmakologie und Toxikologie Humboldt Universitat, Clara-Zetkinstr. 94, 1120 Berlin : (49)365.42.66 Standard : (49)365.33.53

Bruxelles (Brussel) / Centre Anti-Poisons Antigifcentrum Rue Joseph Stallaert 1, Boite 15, 1060 Bruxelles Ligne directe : (32)2.345.18.18 Fax : (32)2.347.58.60 Standard : (32)2.345.45.45

Madrid / Servicio de Informacion Toxicologica (Poisons Information Service) Instituto Nacional de Toxicologia, C/Luis Cabrera, 9, 28002 Madrid Ligne directe : (34) 1.562.84.68 Fax : (34) 1.563.69.24 Standard : (34) 1.562.04.20

Milan (Milano) / Centro Antiveleni (Poisons Centre) Ospedale Niguarda Ca'Granda, Piazza Ospedale Maggiore 3, 20162 MilanoLigne directe : (39) 2.64.44.26.18 Fax : (39) 2.64.44.27.68 Standard : (39) 2.66.10.10.29

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

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.

Eye irritation (Xi, R 36).

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 an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Biocidal detergent mixture (see section 15).

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

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Hazard pictograms : GHS05 Signal Word : DANGER Product identifiers : EC POLYMER C9-C11 PARETH 8 EC POLYMER C9-C11 PARETH 6 Additional labeling : Contains ALPHA-HEXYL CINNAMIC ALDEHYDE (HCA). May produce an allergic reaction. **EUH208** EUH208 Contains CITRONELLOL. May produce an allergic reaction. **EUH208** Contains P-TERT-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE (LILIAL). May produce an allergic reaction. Hazard statements : H318 Causes serious eye damage. Precautionary statements - General : P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. Precautionary statements - Prevention : P280 Wear protective gloves/protective clothing/eye protection/face protection. Precautionary statements - Response : P305 + P351 + P338IF 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 or doctor/physician.

2.3. Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European CHemical s 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.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :	(EC) 1070/0000	(7/5 40/EEC	NT /	0/
Identification	(EC) 1272/2008	67/548/EEC	Note	%
CAS: 68439-46-3	GHS07, GHS05	Xn		2.5 <= x % < 10
EC: POLYMER	Dgr	Xn;R22		
	Acute Tox. 4, H302	Xi;R41		
C9-C11 PARETH 8	Eye Dam. 1, H318			
CAS: 68439-46-3	GHS05	Xn		2.5 <= x % < 10
EC: POLYMER	Dgr	Xn;R22		
	Eye Dam. 1, H318	Xi;R41		
C9-C11 PARETH 6				
INDEX: 603-002-00-5	GHS02	F	[1]	0 <= x % < 2.5
CAS: 64-17-5	Dgr	F;R11		
EC: 200-578-6	Flam. Liq. 2, H225			
ETHANOL				

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CAS: 101-86-0	GHS07, GHS09	Xi		0 <= x % < 2.5
EC: 202-983-3	Wng	Xi;R38-R43		
	Skin Sens. 1B, H317			
ALPHA-HEXYL CINNAMIC ALDEHYDE	Aquatic Chronic 2, H411			
(HCA)	-			
CAS: 7173-51-5	GHS07, GHS05, GHS09	C,N		0 <= x % < 2.5
EC: 230-525-2	Dgr	C;R34		
	Acute Tox. 4, H302	Xn;R22		
CHLORURE DE	Skin Corr. 1B, H314	N;R50		
DIDECYLDIMETHYLAMMONIUM	STOT SE 3, H335			
	Aquatic Acute 1, H400			
	M Acute $= 10$			
CAS: 106-22-9	GHS07	Xi,N		0 <= x % < 2.5
EC: 203-375-0	Wng	Xi;R38-R43		
	Eye Irrit. 2, H319	N;R51/53		
CITRONELLOL	Skin Irrit. 2, H315			
	Skin Sens. 1B, H317			
CAS: 80-54-6	GHS08, GHS07, GHS09	Xn,N	[2]	0 <= x % < 2.5
EC: 201-289-8	Wng	Repr. Cat. 3;R62		
	Acute Tox. 4, H302	Xn;R22		
P-TERT-BUTYL-ALPHA-METHYLHYDROCI	Repr. 2, H361	Xi;R38-R43		
NNAMIC ALDEHYDE (LILIAL)	Skin Irrit. 2, H315	N;R51/53		
	Skin Sens. 1, H317			
	Aquatic Chronic 2, H411			

Information on ingredients :

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

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

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 :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show 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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

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In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

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 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.

Ensure that there is adequate ventilation, especially in confined areas.

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

Fire prevention :

Handle in well-ventilated areas.

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.

Packages which have been opened must be reclosed carefully and stored in an upright position.

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 out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

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

Occupational exposure limits :

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
64-17-5	1000 ppm	-	-	-	-	
- Germany - AGW (BA	AuA - TRGS 900), 21/06/2010) :				
CAS	VME :	VME :	Excess	Notes		
64-17-5	500 ml/m3	960 mg/m3	2(II)	DFG. Y		
- France (INRS - ED98	84 :2008) :					
CAS	VME-ppm :	VME-mg/m3:	VLE-ppm :	VLE-mg/m3:	Notes :	TMP No :
64-17-5	1000	1900	5000	9500	-	84
- UK / WEL (Workplac	ce exposure limi	ts, EH40/2005, 2	2007):			
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
64-17-5	1000 ppm	-	-	-	-	

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



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

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Type of gloves recommended :

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

Recommended properties :

- Impervious gloves in accordance with standard EN374

- 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.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :	
Physical state :	Fluid liquid.
Perfume	Cocktail
Important health, safety and environmental information	
pH (aqueous solution) :	7 (à 1%)
pH :	6.50 1.
	Neutral.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	1g/cm3
Water solubility :	Soluble.
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

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Avoid :

- frost

10.5. Incompatible materials

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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P-TERT-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE (LILIAL) (CAS: 80-54-6)
Oral route : LD50 = 1390 mg/kg
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CITRONELLOL (CAS: 106-22-9)	
Oral route :	LD50 = 3450 mg/kg
Dermal route :	LD50 = 2650 mg/kg
CHLORURE DE DIDECYLDIMETHYLAMM Oral route :	ONIUM (CAS: 7173-51-5) LD50 = 650 mg/kg Species : Rat
Dermal route :	LD50 > 2000 mg/kg Species : Rat
ALPHA-HEXYL CINNAMIC ALDEHYDE (HO Oral route :	CA) (CAS: 101-86-0) LD50 = 3100 mg/kg
C9-C11 PARETH 6 (CAS: 68439-46-3)	
Oral route :	LD50 > 2000 mg/kg Species : Rat
Dermal route :	LD50 >= 2000 mg/kg Species : Rat
C9-C11 PARETH 8 (CAS: 68439-46-3)	
Oral route :	LD50 = 1200 mg/kg Species : Rat
Dermal route :	LD50 > 2000 mg/kg Species : Rat
Respiratory or skin sensitisation :	
CHLORURE DE DIDECYLDIMETHYLAMMO	
Buehler Test :	Non-sensitiser. Species : Guinea pig OECD Guideline 406 (Skin Sensitisation)
Germ cell mutagenicity :	
CHLORURE DE DIDECYLDIMETHYLAMM	ONIUM (CAS: 7173-51-5) No mutagenic effect.
Mutagenesis (in vitro) :	Negative. Species : Bacteria OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Ames test (in vitro) :	Negative.
C9-C11 PARETH 6 (CAS: 68439-46-3)	No mutagenic effect.
Mutagenesis (in vitro) :	Negative.
Reproductive toxicant :	
CHLORURE DE DIDECYLDIMETHYLAMM	ONIUM (CAS: 7173-51-5)
No toxic effect for reproduction	OECD Guideline 414 (Prenatal Developmental Toxicity Study)

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 CHLORURE DE DIDECYLDIMETHYLAMMONIUM (CAS: 7173-51-5) Fish toxicity : LC50 = 0.97 mg/lFactor M = 1Species : Brachydanio rerio Duration of exposure : 96 h Crustacean toxicity : EC50 = 0.06 mg/lFactor M = 10Species : Daphnia magna Duration of exposure : 48 h Algae toxicity : ECr50 = 0.12 mg/lSpecies : Selenastrum capricornutum Duration of exposure : 96 h C9-C11 PARETH 6 (CAS: 68439-46-3) Fish toxicity : LC50 >= 5 mg/lDuration of exposure : 96 h EC50 = 5.3 mg/lCrustacean toxicity : Duration of exposure : 48 h Algae toxicity : ECr50 > 1.4 mg/l Duration of exposure : 72 h C9-C11 PARETH 8 (CAS: 68439-46-3) LC50 > 11 mg/l Fish toxicity : Duration of exposure : 96 h Crustacean toxicity : EC50 > 10 mg/l Duration of exposure : 48 h ECr50 = 47 mg/lAlgae toxicity : Duration of exposure : 72 h Aquatic plant toxicity : 12.1.2. Mixtures No aquatic toxicity data available for the mixture. 12.2. Persistence and degradability

12.2.1. Substances

CHLORURE DE DIDECYLDIMETHYLAMMONIUM (CAS: 7173-51-5) Biodegradability : Fast degrading.

C9-C11 PARETH 6 (CAS: 68439-46-3)

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Biodegradability :	no degradability data is available, the substance is considered as not degrading quickly.
C9-C11 PARETH 8 (CAS: 68439-46-3) Biodegradability :	no degradability data is available, the substance is considered as not degrading quickly.
12.3. Bioaccumulative potential	
12.3.1. Substances	
C9-C11 PARETH 6 (CAS: 68439-46-3)	
Octanol/water partition coefficient :	$\log \text{Koe} \ge 4.$
Bioaccumulation :	BCF >= 500.
C9-C11 PARETH 8 (CAS: 68439-46-3)	
Octanol/water partition coefficient :	$\log \text{Koe} \ge 4.$
Bioaccumulation :	BCF >= 500.
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

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.

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
- Regulation EC 1272/2008 modified by regulation EC 618/2012
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.

- Container information:

No data available.

- Particular provisions :

No data available.

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

- less than 5 % : cationic surfactants
- 5 % or over but less than 15 % : nonionic surfactants
- disinfectants
- perfumes
- allergenic fragrances :

alpha-hexyl cinnamic aldehyde (hca)

citronellol

butylphenyl methylpropional

- Labelling for biocidal products (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

Name	CAS	%	Product-type
ETHANOL	64-17-5	16.61 g/kg	02
CHLORURE DE	7173-51-5	8.39 g/kg	02
DIDECYLDIMETHYLAMMONIUM			

Product-type 2 : Disinfectants and algaecides not intended for direct application to humans or animals.

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.

Hazard symbols :



Contains :

Contains EC 202-983-3 ALPHA-HEXYL CINNAMIC ALDEHYDE (HCA). May produce an allergic reaction.

Contains EC 203-375-0 CITRONELLOL. May produce an allergic reaction.

Contains EC 201-289-8 P-TERT-BUTYL-ALPHA-METHYLHYDROCINNAMIC ALDEHYDE (LILIAL). May produce an allergic reaction.

Risk phrase :	
R 36	Irritating to eyes.
Safety phrase :	
S 2	Keep out of the reach of children.
S 46	If swallowed, seek medical advice immediately and show this container or label.
S 25	Avoid contact with eyes.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 64	If swallowed, rinse mouth with water (only if the person is conscious).

Title for H, EUH and R ind	lications mentioned in section 3 :
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child .
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
R 11	Highly flammable.
R 22	Harmful if swallowed.
R 34	Causes burns.
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 43	May cause sensitisation by skin contact.
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 62.F3	Possible risk of impaired fertility.

R 62.F3

Abbreviations :

CMR: Carcinogenic, mutagenic or reprotoxic.

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).

GHS05 : Corrosion