

**PURELL® ADVANCED HYGIENIC HAND RUB (FDS N° 1644) - B1709**



**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 : PURELL® ADVANCED HYGIENIC HAND RUB (FDS N° 1644)

Product code : B1709.

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

Disinfectant product

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

Registered company name : GOJO Luxembourg SARL.

Address : 1 rue jean piret.L-2350 .Luxembourg.LUXEMBOURG.

Telephone : +33 (0)1 60 95 49 00. Fax : +33 (0)1 60 95 49 49.

firregulatoryteam@gojo.fr

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

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

<http://echa.europa.eu/fr/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

**Other emergency numbers**

Ireland, Éire : Ireland National Poisons Information Centre: +353 1 8092166

Ísland : Iceland Poison Information Centre: +354 525 111, +354 543 2222

Malta : Medicines & Poisons Info Office 2545 6508

United Kingdom : NHS 111

**SECTION 2 : HAZARDS IDENTIFICATION**

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

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

Flammable liquid, Category 3 (Flam. Liq. 3, H226).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

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

**2.2. Label elements**

Biocidal mixture (see section 15).

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

Hazard pictograms :



GHS02

GHS07

Signal Word :

WARNING

Hazard statements :

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements - Prevention :

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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.

**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.

**PURELL® ADVANCED HYGIENIC HAND RUB (FDS N° 1644) - B1709****SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 64-17-5 EC: 200-578-6 REACH: 01-2119457610-43 ETHANOL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1]	50 <= x % < 100
INDEX: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25 PROPAN-2-OL	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]	2.5 <= x % < 10
CAS: 56-81-5 EC: 200-289-5 REACH: 01-2119471987-18 GLYCERINE		[1]	0 <= x % < 2.5
INDEX: 603-070-00-6 CAS: 124-68-5 EC: 204-709-8 REACH: 01-2119475788-16-0000 2-AMINO-2-METHYLPROPANOL	GHS07 Wng Eye Irrit. 2, H319 Skin Irrit. 2, H315 Aquatic Chronic 3, H412	[1]	0 <= x % < 2.5

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

**Information on ingredients :**

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

**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 splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.  
If there is any redness, pain or visual impairment, consult an ophthalmologist.

**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**

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

**5.1. Extinguishing media**

Keep packages near the fire cool, to prevent pressurised containers from bursting.

**Suitable methods of extinction**

In the event of a fire, use :

- carbon dioxide (CO<sub>2</sub>)
- powder
- foam
- dry sand

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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

**5.3. Advice for firefighters**

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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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 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.

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**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**

Remove and wash contaminated clothing before re-using.

**Fire prevention :**

Handle in well-ventilated areas.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged : always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically non-conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

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.

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

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

**Packaging**

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

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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		A3	
67-63-0	200 ppm	400 ppm		A4; BEI	
56-81-5	10 mg/m <sup>3</sup>				

- Germany - AGW (BAuA - TRGS 900, 08/08/2019) :

CAS	VME :	VME :	Excess	Notes
64-17-5		200 ppm 380 mg/m <sup>3</sup>		4(I <sup>TM</sup> I <sup>TM</sup> )
67-63-0		200 ppm 500 mg/m <sup>3</sup>		2(II)
56-81-5		200 mg/m <sup>3</sup>		2 (I)
124-68-5		1 ppm 3.7 mg/m <sup>3</sup>		2 (II)

- Belgium (Arrêté du 09/03/2014, 2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1907 mg/m <sup>3</sup>				
67-63-0	200 ppm 500 mg/m <sup>3</sup>	400 ppm 1000 mg/m <sup>3</sup>			
56-81-5	10 mg/m <sup>3</sup>				

- Denmark (2008) :

Stof	TWA	VSTEL	Loftvaerdi	Anm
64-17-5	1000 ppm 1900 mg/m <sup>3</sup>			
67-63-0	200 ppm 490 mg/m <sup>3</sup>			

- France (INRS - ED984 / 2019-1487) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
64-17-5	1000	1900	5000	9500	-	84
67-63-0	-	-	400	980	-	84
56-81-5	-	10	-	-	-	-

- Finland (HTP-värden 2016) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1900 mg/m <sup>3</sup>	1300 ppm 2500 mg/m <sup>3</sup>			
56-81-5	20 mg/m <sup>3</sup>				

- Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), 2017) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5		1.000 ppm 1910 mg/m <sup>3</sup>		s	
67-63-0	200 ppm 500 mg/m <sup>3</sup>	400 ppm 1000 mg/m <sup>3</sup>		VLB®, s	
56-81-5	10 mg/m <sup>3</sup>				

- Greece (90/1999) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5		1000 ppm 1900 mg/m <sup>3</sup>			
67-63-0		400 ppm 980 mg/m <sup>3</sup>	500 ppm 1225 mgm/3		
56-81-5		10 mg/m <sup>3</sup>			

- Ireland (Code of practice for the Chemical Agents Regulations, 2016) :

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CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5		1000 ppm			
67-63-0	200 ppm	400 ppm			
56-81-5	10 mg/m <sup>3</sup>				

## - Latvia (Regulation No. 325/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 mg/m <sup>3</sup>				
67-63-0	350 mg/m <sup>3</sup>	600 mg/m <sup>3</sup>			

## - Lithuania (HN 23 :2001) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	500 ppm 1000 mg/m <sup>3</sup>	1000 ppm 1900 mg/m <sup>3</sup>			
67-63-0	150 ppm 350 mg/m <sup>3</sup>	250 ppm 600 mg/m <sup>3</sup>			

## - Norway (Veiledning om administrative normer for forurensning i arbeidsatmosfære, 2019) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	500 ppm 950 mg/m <sup>3</sup>				
67-63-0	100 ppm 245 mg/m <sup>3</sup>				

## - Netherlands / MAC-waarde (10 december 2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	260 mg/m <sup>3</sup>	1900 mg/m <sup>3</sup>		Huid	
67-63-0	250 ppm	-	-	-	-
56-81-5	10 mg/m <sup>3</sup>	-	-	-	-

## - Poland (Dz. U. z 2018 r. poz. 917, 1000 i 1076) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1900 mg/m <sup>3</sup>				
67-63-0	900 mg/m <sup>3</sup>	1200 mg/m <sup>3</sup>			
56-81-5	10 mg/m <sup>3</sup>				

## - Czech Republic (Regulation No. 361/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 mg/m <sup>3</sup>	3000 mg/m <sup>3</sup>		I	
67-63-0	500 mg/m <sup>3</sup>	1000 mg/m <sup>3</sup>		I	
56-81-5	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>			

## - Slovakia (Règlement 300/2007, 471/2011 23/11/2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	500 ppm 960 mg/m <sup>3</sup>	1 000 ppm 1 920 mg/m <sup>3</sup>			
67-63-0	200 ppm 500 mg/m <sup>3</sup>	400 ppm 1 000 mg/m <sup>3</sup>			
56-81-5	10 mg/m <sup>3</sup>				

## - Slovenia (Uradni List, 04/06/2015) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5		1000 ppm 1900 mg/m <sup>3</sup>		Y	
67-63-0		200 ppm 500 mg/m <sup>3</sup>		Y. BAT	

## - Switzerland (SUVAPRO 2017) :

CAS	VME	VLE	Valeur plafond	Notations
64-17-5	500 ppm 960 mg/m <sup>3</sup>	1000 ppm 1920 mg/m <sup>3</sup>		SSC
67-63-0	200 ppm 500 mg/m <sup>3</sup>	400 ppm 1000 mg/m <sup>3</sup>		B SSC
56-81-5	50 i mg/m <sup>3</sup>	100 i mg/m <sup>3</sup>		SSC

## - Sweden (AFS 2018 :1) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	500 ppm 1000 mg/m <sup>3</sup>	1000 ppm 1900 mg/m <sup>3</sup>		V	

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67-63-0	150 ppm 350 mg/m <sup>3</sup>	250 ppm 600 mg/m <sup>3</sup>		V	
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- Romania (Hotarâre 1218/2006) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1900 mg/m <sup>3</sup>	5000 ppm 9500 mg/m <sup>3</sup>			
67-63-0	81 ppm 200 mg/m <sup>3</sup>	203 ppm 500 mg/m <sup>3</sup>			

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
64-17-5	1000 ppm 1920 mg/m <sup>3</sup>	- ppm - mg/m <sup>3</sup>			
67-63-0	400 ppm 999 mg/m <sup>3</sup>	500 ppm 1250 mg/m <sup>3</sup>			
56-81-5	- ppm 10 mg/m <sup>3</sup>	- ppm - mg/m <sup>3</sup>			

- Bulgare

Identification	TWA	STEL	Ceiling	Notations
64-17-5	1000 mg/m <sup>3</sup>			
67-63-0	980 mg/m <sup>3</sup>	1225 mg/m <sup>3</sup>		

- Estonie

Identification	Piirnorm	Luhiajalise kokkupuute piirnorm	Piirnormi lagi	Markused
64-17-5	500 ppm 1000 mg/m <sup>3</sup>	1000 ppm 1900 mg/m <sup>3</sup>		
67-63-0	150 ppm 350 mg/m <sup>3</sup>	250 ppm 600 mg/m <sup>3</sup>		
56-81-5	10 mg/m <sup>3</sup>			

- Hongrie

Megnevezes	AK-ertek	CK- ertek	MK- ertek	Megjegyzések
64-17-5	1900 mg/m <sup>3</sup>	7600 mg/m <sup>3</sup>		
67-63-0	500 mg/m <sup>3</sup>	2000 mg/m <sup>3</sup>		b. i

- Croatia

Identification	TWA	STEL	Ceiling	Notations
64-17-5	1000 ppm 1900 mg/m <sup>3</sup>			F
67-63-0	400 ppm 999 mg/m <sup>3</sup>	500 ppm 1250 mg/m <sup>3</sup>		F. Xi
56-81-5	10 mg/m <sup>3</sup>			

**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.

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****General information :**

Physical state :	Fluid liquid.
Color:	colourless
Odour:	alcoholic

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**Important health, safety and environmental information**

pH :	7.70 +/- 0.5. Neutral.
Flash Point :	24.00 °C.
Vapour pressure (50°C) :	Not relevant.
Density :	0.862 - 0.882
Water solubility :	Soluble.
Viscosity :	6.000 - 17.000 mPa.s (20 °C)

**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**

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces
- frost

**10.5. Incompatible materials**

No data available.

**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 have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

**11.1.1. Substances**

No toxicological data available for the substances.

**11.1.2. Mixture**

No toxicological data available for the mixture.

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**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

No data available.

**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.

**PURELL® ADVANCED HYGIENIC HAND RUB (FDS N° 1644) - B1709****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**

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**

1987

**14.2. UN proper shipping name**

UN1987=ALCOHOLS, N.O.S.

(ethanol, propan-2-ol)

**14.3. Transport hazard class(es)**

- Classification :



3

**14.4. Packing group**

III

**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
	3	F1	III	3	30	5 L	274 601	E1	3	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	3	-	III	5 L	F-E, S-D	223 274	E1	Category A	-

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	355	60 L	366	220 L	A3 A180	E1
	3	-	III	Y344	10 L	-	-	A3 A180	E1

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. 2020/217 (ATP 14)



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**- Container information:**

No data available.

**- Particular provisions :**

No data available.

**- 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	631.7 g/kg	01

Product-type 1 : Human hygiene.

**15.2. Chemical safety assessment**

No data available.

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**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 :**

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

**Abbreviations :**

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).

GHS02 : Flame

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.