SAFETY DATA SHEET



Version #: 1.0

Issue date: 10-November-2022 Revision date: 10-November-2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation

of the mixture

GLASS CLEANER

Registration number

Synonyms None.

Product code

UDS000144AE

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

Identified uses Cleaners - Heavy duty

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name CRC Industries UK Ltd.

Address Wylds Road

Castlefield Industrial Estate TA6 4DD Bridgwater Somerset

United Kingdom

 Telephone
 +44 1278 727200

 Fax
 +44 1278 425644

 E-mail
 hse.uk@crcind.com

 Website
 www.crcind.com

Company name CRC Industries Europe by

Address Touwslagerstraat 1

9240 Zele Belgium

 Telephone
 +32(0)52/45.60.11

 Fax
 +32(0)52/45.00.34

 E-mail
 hse@crcind.com

 Website
 www.crcind.com

1.4. Emergency telephone

number

Tel.:(+44)(0)1278 72 7200 (office hours: 9-17h GMT)

Austria National Poisons

Information Centre

+431 406 4343 (Available 24 hours a day.)

Belgium National Poisons

Control Center

070 245 245 (Available 24 hours a day.)

Bulgaria National

Toxicological Information

Centre

+359 2 9154233 (Available 24 hours a day.)

Czech Republic National

Poisons Information

Centre

+420 224 919 293, or +420 224 915 402 (Hours of operation not provided.)

Denmark National Poisons

Control Center

+45 82 12 12 12 (Available 24 hours a day.)

Estonia National Poisons Information Centre

16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed

on Sundays and on national holidays))

Material name: GLASS CLEANER - Ambersil - europe

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Finland National Poison Information Center

(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day.)

France National Poisons Control Center

ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day.)

Hungary National

Emergency Phone Number

36 80 20 11 99 (Available 24 hours a day.)

Lithuania Neatidėliotina informacija apsinuodijus +370 5 236 20 52 or +37068753378 (Hours of operation not provided.)

Malta Accident and **Emergency Department** 2545 4030 (Hours of operation not provided.)

Netherlands National Poisons Information Center (NVIC)

030-274 88 88 (Only for the purpose of informing medical personnel in cases of

acute intoxications)

Norway Norwegian Poison

22 59 13 00 (Available 24 hours a day.)

Information Center

Portugal Poison Centre 800 250 250 (Available 24 hours a day.)

Romania Număr de telefon care poate fi apelat în caz

021 5992300, int. 291 Spitalul Clinic de Urgență București:

spital@urgentafloreasca.ro

de urgență:

Romania

0265 212111, 0265 211292, 0265 217235 Spitalul Clinic Judetean de Urgentă

Târgu Mureș: secretariat@spitjudms.ro

Slovakia National

Toxicological Information

Centre

+421 2 5477 4166 (Available 24 hours a day.)

Sweden National Poison Information Center

112 - and ask for Poison Information (Available 24 hours a day.)

Switzerland Tox Info

145 (Available 24 hours a day.)

Suisse

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Aerosols Category 1 H222 - Extremely flammable

aerosol.

H229 - Pressurized container: May

burst if heated.

Health hazards

exposure

Serious eye damage/eye irritation H319 - Causes serious eye Category 2

irritation.

Specific target organ toxicity - single

Category 3 narcotic effects

H336 - May cause drowsiness or

dizziness.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Propan-2-ol; Isopropyl alcohol; Isopropanol

Hazard pictograms



Danger Signal word

Hazard statements

H222 Extremely flammable aerosol.

Pressurized container: May burst if heated. H229

Causes serious eye irritation. H319 May cause drowsiness or dizziness. H336

Precautionary statements

Prevention

Keep out of reach of children. P102

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

Do not spray on an open flame or other ignition source. P211

Do not pierce or burn, even after use. P251

Avoid breathing mist/vapours. P261

Use only outdoors or in a well-ventilated area. P271

Not assigned. Response

Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P410 + P412

Disposal

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

According to Regulation (EC) No. 648/2004 on Detergents, as amended; Contains: Aliphatic Supplemental label information

hydrcarbons 5-15%. perfumes: Hexyl Cinnamal, Hydroxycitronellal

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation 2.3. Other hazards

(EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or

Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No.	/ EC No.	REACH Registration No.	Index No.	Notes
Propan-2-ol; Isopropyl alc Isopropanol	cohol; 30 -	60 67-63 200-66		01-2119457558-25	603-117-00-0	
Cla	assification: Flam. I	iq. 2;H225, Eye	Irrit. 2;H	319, STOT SE 3;H336		
ammonia%	0 -	1 1336-2 215-64		01-2119982985-14	007-001-01-2	
Cla), Skin Corr. 1B;H314, Eye e 1;H400, Aquatic Chronic		В
Specific Concentra	tion Limits: STOT	SE 3;H335: C >:	= 5 %			

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

ATE: Acute toxicity estimate.

M: M-factor

PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The full text for all H-statements is displayed in section 16. Composition comments

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

4.1. Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison

centre or doctor/physician if you feel unwell.

Wash off with soap and water. Get medical attention if irritation develops and persists. Skin contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth.

Ingestion

4.2. Most important symptoms and effects, both acute and

delayed

May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation.

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation.

Symptoms may be delayed.

SECTION 5: Firefighting measures

Material name: GLASS CLEANER - Ambersil - europe

General fire hazards Extremely flammable aerosol.

5.1. Extinguishing media

Suitable extinguishing

media

Alcohol resistant foam. Powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire fighting procedures

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose

holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

For emergency responders

Keep unnecessary personnel away. Avoid breathing mist/vapours. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. This product is miscible in water. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist/vapours. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

Not available. 7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBI. II, no. 184/2001

Components	Туре	Value	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	MAK	500 mg/m3	
		200 ppm	
	STEL	2000 mg/m3	
		800 ppm	

Material name: GLASS CLEANER - Ambersil - europe

Components	Туре	Value
ammonia% (CAS 1336-21-6)	STEL	36 mg/m3
		50 ppm
	TWA	14 mg/m3
		20 ppm
Propan-2-ol; Isopropyl Ilcohol; Isopropanol (CAS 57-63-0)	STEL	1000 mg/m3
		400 ppm
	TWA	500 mg/m3
		200 ppm
Bulgaria. OELs. Regulation No 13 on բ Components	protection of workers agai Type	nst risks of exposure to chemical agents at work Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3
	TWA	980 mg/m3
Croatia. Dangerous Substance Expos Components	ure Limit Values in the Wo Type	rkplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/0 Value
ammonia% (CAS	MAC	14 mg/m3
336-21-6)		00
	0.751	20 ppm
	STEL	36 mg/m3
		50 ppm
Propan-2-ol; Isopropyl Ilcohol; Isopropanol (CAS 57-63-0)	MAC	999 mg/m3
		400 ppm
	STEL	1250 mg/m3
		500 ppm
Cyprus. OELs. Control of factory atmo Components	osphere and dangerous su Type	bstances in factories regulation, PI 311/73, as amende Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 37-63-0)	TWA	980 mg/m3
,, ,,		400 ppm
Czech Republic. OELs. Government D	ecree 361	
Components	Туре	Value
ammonia% (CAS	Ceiling	36 mg/m3
1336-21-6)	TWA	14 mg/m3
(336-21-6)	1 447 (
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	Ceiling	1000 mg/m3
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS		1000 mg/m3 500 mg/m3
1336-21-6) Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Denmark. Exposure Limit Values Components	Ceiling	·
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Denmark. Exposure Limit Values	Ceiling TWA	500 mg/m3

Components	Туре	Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 57-63-0)	STEL	600 mg/m3
37 00 0,		250 ppm
	TWA	350 mg/m3
		150 ppm
Finland. Workplace Exposure Limi	its	
Components	Туре	Value
ammonia% (CAS 1336-21-6)	STEL	36 mg/m3
		50 ppm
	TWA	14 mg/m3
		20 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 57-63-0)	STEL	620 mg/m3
		250 ppm
	TWA	500 mg/m3
		200 ppm
France. OELs. Occupational Expos Components	sure Limits as Prescribed by Art. Type	R.4412-149 of Labor Code, as amended Value
ammonia% (CAS 1336-21-6)	VLE	14 mg/m3
.,		20 ppm
	VME	7 mg/m3
		10 ppm
France Threehold Limit Values (VI	I ED) for Oncorrectional Francescone	to Chemicals in France INDS ED 984
Components	LEP) for Occupational Exposure Type	Value
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS		
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	Туре	Value 980 mg/m3
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative	Type VLE e limit (VL)	Value
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Germany. DFG MAK List (advisory	Type VLE e limit (VL) e limit (VL)	Value 980 mg/m3 400 ppm
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Germany. DFG MAK List (advisory n the Work Area (DFG)	Type VLE e limit (VL) e limit (VL)	Value 980 mg/m3
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Germany. DFG MAK List (advisory n the Work Area (DFG) Components ammonia% (CAS	Type VLE limit (VL) limit (VL) OELs). Commission for the Inve	Value 980 mg/m3 400 ppm estigation of Health Hazards of Chemical Compound
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Germany. DFG MAK List (advisory n the Work Area (DFG) Components ammonia% (CAS	Type VLE e limit (VL) e limit (VL) v OELs). Commission for the Inve	Value 980 mg/m3 400 ppm estigation of Health Hazards of Chemical Compound Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Regulatory status: Indicative Indic	Type VLE e limit (VL) e limit (VL) v OELs). Commission for the Inve	Value 980 mg/m3 400 ppm estigation of Health Hazards of Chemical Compound Value 14 mg/m3
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Germany. DFG MAK List (advisory in the Work Area (DFG) Components ammonia% (CAS 1336-21-6)	Type VLE Plimit (VL) POELs). Commission for the Inventor Type TWA	Value 980 mg/m3 400 ppm estigation of Health Hazards of Chemical Compound Value 14 mg/m3 20 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Regulatory status: Indicative Indic	Type VLE Palimit (VL) Palimit (VL) VOELs). Commission for the Inventor Type TWA TWA	Value 980 mg/m3 400 ppm estigation of Health Hazards of Chemical Compound Value 14 mg/m3 20 ppm 500 mg/m3
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Regulatory status: Indicative Indicative Regulatory status: Indicative Indicati	Type VLE Ilmit (VL) OELs). Commission for the Inventy Type TWA TWA TWA	Value 980 mg/m3 400 ppm estigation of Health Hazards of Chemical Compound Value 14 mg/m3 20 ppm 500 mg/m3 200 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Regulatory status: Indicative Indicative Regulatory status: Indicative Regulatory status: Indicative Indicative Indicative Indicative Indicative Indicative Indicative Indicative Regulatory status: Indicative Ind	Type VLE Palimit (VL) Palimit (VL) VOELs). Commission for the Invention Type TWA TWA TWA TWA in the Ambient Air at the Workplan Type	Value 980 mg/m3 400 ppm estigation of Health Hazards of Chemical Compound Value 14 mg/m3 20 ppm 500 mg/m3 200 ppm acce Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Regulatory status: Indicative Regulatory status: Indicative Regulatory status: Indicative Indicative Regulatory status: Indicative Indicati	Type VLE Palimit (VL) Palimit (VL) Paragraphy (VL) Type TWA TWA TWA TWA in the Ambient Air at the Workplating (VL) Type AGW	Value 980 mg/m3 400 ppm estigation of Health Hazards of Chemical Compound Value 14 mg/m3 20 ppm 500 mg/m3 200 ppm acce Value 500 mg/m3

Components	Туре	Value
		500 ppm
	TWA	980 mg/m3
		400 ppm
lungary. OELs. Joint Decree on Che		
Components	Туре	Value
ımmonia% (CAS 336-21-6)	STEL	36 mg/m3
	TWA	14 mg/m3
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1000 mg/m3
,	TWA	500 mg/m3
celand. OELs. Regulation 154/1999	on occupational exposure li	mits
Components	Туре	Value
mmonia% (CAS 336-21-6)	STEL	36 mg/m3
		50 ppm
	TWA	14 mg/m3
		20 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	TWA	490 mg/m3
37-63-0)		200 ppm
reland. Occupational Exposure Limi	its	
Components	Туре	Value
mmonia% (CAS 336-21-6)	STEL	36 mg/m3
		50 ppm
	TWA	14 mg/m3
		20 ppm
Propan-2-ol; Isopropyl Ilcohol; Isopropanol (CAS	STEL	400 ppm
37-63-0)		
67-63-0)	TWA	200 ppm
	TWA	200 ppm
taly. Occupational Exposure Limits	TWA Type	200 ppm Value
Italy. Occupational Exposure Limits Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS		
taly. Occupational Exposure Limits Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	Туре	Value
taly. Occupational Exposure Limits Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Latvia. OELs. Occupational exposure	Type STEL TWA e limit values of chemical su	Value 400 ppm 200 ppm ubstances in work environment
taly. Occupational Exposure Limits Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Latvia. OELs. Occupational exposure	Type STEL TWA	Value 400 ppm 200 ppm
taly. Occupational Exposure Limits Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Latvia. OELs. Occupational exposure Components ammonia% (CAS	Type STEL TWA e limit values of chemical su	Value 400 ppm 200 ppm ubstances in work environment Value 36 mg/m3
taly. Occupational Exposure Limits Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Latvia. OELs. Occupational exposure Components ammonia% (CAS	Type STEL TWA e limit values of chemical su Type STEL	Value 400 ppm 200 ppm ubstances in work environment Value
Italy. Occupational Exposure Limits Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Latvia. OELs. Occupational exposure Components ammonia% (CAS 1336-21-6)	Type STEL TWA e limit values of chemical su	Value 400 ppm 200 ppm ubstances in work environment Value 36 mg/m3
taly. Occupational Exposure Limits Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Latvia. OELs. Occupational exposure Components ammonia% (CAS	Type STEL TWA e limit values of chemical su Type STEL	Value 400 ppm 200 ppm ubstances in work environment Value 36 mg/m3 50 ppm
Italy. Occupational Exposure Limits Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Latvia. OELs. Occupational exposure Components ammonia% (CAS	Type STEL TWA e limit values of chemical su Type STEL	Value 400 ppm 200 ppm ubstances in work environment Value 36 mg/m3 50 ppm 14 mg/m3

Lithuania. OELs. Limit Values for Components	Туре	Value
ammonia% (CAS	STEL	36 mg/m3
1336-21-6)		50 nnm
	TWA	50 ppm 14 mg/m3
	1 ***	20 ppm
Propan-2-ol; Isopropyl	STEL	600 mg/m3
alcohol; Isopropanol (CAS 67-63-0)	0122	ood mg/mo
		250 ppm
	TWA	350 mg/m3
		150 ppm
	al exposure limit values (Annex I), Me	
Components	Туре	Value
ammonia% (CAS 1336-21-6)	STEL	36 mg/m3
		50 ppm
	TWA	14 mg/m3
		20 ppm
Malta. OELs. Occupational Expos Schedules I and V)	ure Limit Values (L.N. 227. of Occupati	onal Health and Safety Authority Act (CAP. 424
Components	Туре	Value
ammonia% (CAS 1336-21-6)	STEL	36 mg/m3
		50 ppm
	TWA	14 mg/m3
		14 mg/m3 20 ppm Value
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	· Contaminants in the Workplace	20 ppm
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	Contaminants in the Workplace Type	20 ppm Value 245 mg/m3
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of	r Contaminants in the Workplace Type TLV of Labour and Social Policy on 6 June harmful health factors in the work env	20 ppm Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components	Type TLV of Labour and Social Policy on 6 June harmful health factors in the work env	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value
Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	r Contaminants in the Workplace Type TLV of Labour and Social Policy on 6 June harmful health factors in the work env	20 ppm Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	Type TLV of Labour and Social Policy on 6 June harmful health factors in the work env	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Portugal. VLEs. Norm on occupations	Type TLV of Labour and Social Policy on 6 June harmful health factors in the work env Type STEL	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value 1200 mg/m3
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Portugal. VLEs. Norm on occupation Components ammonia% (CAS	of Labour and Social Policy on 6 June harmful health factors in the work env Type STEL TWA ional exposure to chemical agents (NP	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value 1200 mg/m3 900 mg/m3
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Portugal. VLEs. Norm on occupation Components ammonia% (CAS	of Labour and Social Policy on 6 June harmful health factors in the work env Type STEL TWA ional exposure to chemical agents (NF Type STEL	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value 1200 mg/m3 900 mg/m3 1796) Value 35 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Portugal. VLEs. Norm on occupation Components ammonia% (CAS 1336-21-6)	of Labour and Social Policy on 6 June harmful health factors in the work env Type STEL TWA ional exposure to chemical agents (NP Type STEL TWA	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value 1200 mg/m3 900 mg/m3 1796) Value 35 ppm 25 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Portugal. VLEs. Norm on occupation Components ammonia% (CAS 1336-21-6) Propan-2-ol; Isopropyl alcohol; Isopropyl alcohol; Isopropyl alcohol; Isopropyl alcohol; Isopropyl alcohol; Isopropyl alcohol; Isopropanol (CAS	of Labour and Social Policy on 6 June harmful health factors in the work env Type STEL TWA ional exposure to chemical agents (NF Type STEL	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value 1200 mg/m3 900 mg/m3 1796) Value 35 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Portugal. VLEs. Norm on occupation Components ammonia% (CAS 1336-21-6) Propan-2-ol; Isopropyl alcohol; Isopropyl alcohol; Isopropyl alcohol; Isopropyl alcohol; Isopropyl alcohol; Isopropyl alcohol; Isopropanol (CAS	of Labour and Social Policy on 6 June harmful health factors in the work env Type STEL TWA ional exposure to chemical agents (NP Type STEL TWA	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value 1200 mg/m3 900 mg/m3 1796) Value 35 ppm 25 ppm
concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Portugal. VLEs. Norm on occupate Components ammonia% (CAS 1336-21-6) Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	of Labour and Social Policy on 6 June harmful health factors in the work env Type STEL TWA ional exposure to chemical agents (NF Type STEL TWA STEL TWA STEL	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value 1200 mg/m3 900 mg/m3 1796) Value 35 ppm 25 ppm 400 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Portugal. VLEs. Norm on occupatic Components ammonia% (CAS 1336-21-6) Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Romania. OELs. Protection of wor Components ammonia% (CAS	of Labour and Social Policy on 6 June harmful health factors in the work env Type STEL TWA ional exposure to chemical agents (NF Type STEL TWA STEL TWA STEL TWA STEL	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value 1200 mg/m3 900 mg/m3 91796) Value 35 ppm 25 ppm 400 ppm 200 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Poland. Ordinance of the Minister concentrations and intensities of Components Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Portugal. VLEs. Norm on occupate Components ammonia% (CAS 1336-21-6) Propan-2-ol; Isopropyl alcohol; Isopropyl alcohol; Isopropanol (CAS 67-63-0) Propan-2-ol; Isopropyl alcohol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	of Labour and Social Policy on 6 June harmful health factors in the work environment Type STEL TWA ional exposure to chemical agents (NP Type STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA STEL	Value 245 mg/m3 100 ppm 2014 on the maximum permissible ironment, Journal of Laws 2014, item 817 Value 1200 mg/m3 900 mg/m3 1796) Value 35 ppm 25 ppm 400 ppm 200 ppm 2s at the workplace Value

	20 nnm
CTEL	20 ppm
SIEL	500 mg/m3
	203 ppm
TWA	200 mg/m3
	81 ppm
00/2007 concerning protection Type	of health in work with chemical agents Value
STEL	1000 mg/m3
	400 ppm
TWA	500 mg/m3
	200 ppm
	against risks due to exposure to chemicals while work
Туре	Value
TWA	14 mg/m3
	20 ppm
TWA	500 mg/m3
	200 ppm
nits Type	Value
STEL	1000 mg/m3
	400 ppm
TWA	500 mg/m3
	200 ppm
t Authority (AV), Occupationa Type	l Exposure Limit Values (AFS 2015:7) Value
STEL	600 mg/m3
	250 ppm
TWA	350 mg/m3
	150 ppm
	. 00 PF
. Arbeitenlet-	
n Arbeitsplatz Type	Value
	Value 1000 mg/m3
Туре	
Туре	1000 mg/m3
Type STEL	1000 mg/m3 400 ppm
Type STEL TWA mits (WELs)	1000 mg/m3 400 ppm 500 mg/m3 200 ppm
Type STEL TWA	1000 mg/m3 400 ppm 500 mg/m3
	Type STEL TWA Perning protection of workers of Slovenia) Type TWA TWA TWA TWA TWA TWA TWA TW

Components	Туре	Value
		500 ppm
	TWA	999 mg/m3

400 ppm

Biological limit values

Croatia. BLV. Dangerous Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	50 mg/l	Acetone	Urine	*
	50 mg/l	Acetone	Blood	*
	0,86 umol/l	Acetone	Urine	*
	0,86 umol/l	Acetone	Blood	*
* - For sampling details, ple	ease see the source	e document.		
Germany. TRGS 903, BA	T List (Biological L	₋imit Values)		
Components	Value	Determinant	Specimen	Sampling Time

Germany. TRGS 903, BAT List (Biological Limit Values)						
Components	Value	Determinant	Specimen	Sampling Time		
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	25 mg/l	ACETON	Urine	*		
	25 mg/l	ACETON	Blood	*		

^{* -} For sampling details, please see the source document.

Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Components	Value	Determinant	Specimen	Sampling Time	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	430 μmol/l	Acetone	Urine	*	
	25 mg/l	Acetone	Urine	*	

^{* -} For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4 Components Value Determinant Specimen Sampling Time Propan-2-ol; Isopropyl 40 mg/l Acetona Urine *

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	25 mg/l	ACETON	Urine	*	
	25 mg/l	ACETON	Blood	*	

^{* -} For sampling details, please see the source document.

Recommended monitoring procedures

Follow standard monitoring procedures.

Derived no effect levels (DNELs)

General population

Components	Value	Assessment factor	Notes
Propan-2-ol; Isopropyl alcohol; Isopropanol (C	AS 67-63-0)		
Long-term, Systemic, Dermal	319 mg/kg bw/day	2	Repeated dose toxicity
Long-term, Systemic, Inhalation	89 mg/m3	2	Repeated dose toxicity
Long-term, Systemic, Oral	26 mg/kg bw/day	2	Repeated dose toxicity
<u>Workers</u>			
Components	Value	Assessment factor	Notes
Propan-2-ol; Isopropyl alcohol; Isopropanol (C	AS 67-63-0)		
Long-term, Systemic, Dermal	888 mg/kg bw/day	1	
Long-term, Systemic, Inhalation	500 mg/m3	1	

^{* -} For sampling details, please see the source document.

Predicted no effect concentrations (PNECs)

Components	Value	Assessment	factor Notes
Propan-2-ol; Isopropyl alcohol; Isopro	opanol (CAS 67-63-0)		
Freshwater	140,9 mg/l	1	
Secondary poisoning	160 mg/kg	30	Oral
Sediment (freshwater)	552 mg/kg		
Soil	28 mg/kg		
posure quidelines			

Exposure guidelines

Cyprus OEL: Skin designation

Propan-2-ol; Isopropyl alcohol; Isopropanol Can be absorbed through the skin.

(CAS 67-63-0)

Hungary OELs: Skin designation

Propan-2-ol; Isopropyl alcohol; Isopropanol Can be absorbed through the skin.

(CAS 67-63-0)

Iceland OELs: Skin designation

ammonia% (CAS 1336-21-6) Can be absorbed through the skin. Propan-2-ol; Isopropyl alcohol; Isopropanol Can be absorbed through the skin.

(CAS 67-63-0)

Ireland Exposure Limit Values: Skin designation

Propan-2-ol; Isopropyl alcohol; Isopropanol Can be absorbed through the skin.

(CAS 67-63-0)

8.2. Exposure controls

Appropriate engineering

controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166. Eye/face protection

Skin protection

When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough - Hand protection

time of the glove should be longer than the total duration of product use. If work lasts longer than

the breakthrough time, gloves should be changed part-way through. Nitrile gloves are

recommended. Suitable gloves can be recommended by the glove supplier.

- Other Wear suitable protective clothing.

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with Respiratory protection

organic vapour cartridge and full facepiece. (Filter type A)

Wear appropriate thermal protective clothing, when necessary. Thermal hazards

Hygiene measures When using do not smoke. Always observe good personal hygiene measures, such as washing

after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

Environmental exposure

controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or

engineering modifications to the process equipment may be necessary to reduce emissions to

acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid. Aerosol **Form** Colourless Colour

Characteristic odor. Odour

Melting point/freezing point Boiling point or initial boiling Not available. 82 °C (179,6 °F)

point and boiling range

Not available. **Flammability** Upper/lower flammability or explosive limits

1,8 % Explosive limit - lower (%) Explosive limit - upper 12 %

(%)

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Flash point 12,0 °C (53,6 °F)

Auto-ignition temperature 460 °C (860 °F)

Decomposition temperature Not available.

Kinematic viscosity Not available.

Solubility

Solubility (water) Miscible with water

Partition coefficient Not available.

(n-octanol/water) (log value)

Vapour pressure Not available.

Density and/or relative density

Relative density0,93 g/cm3 20 °CVapour densityNot available.Particle characteristicsNot available.

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No relevant additional information available.

9.2.2. Other safety characteristics

Evaporation rate Not available. **VOC** 412 g/l

SECTION 10: Stability and reactivity

10.1. ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stabilityMaterial is stable under normal conditions

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

10.5. Incompatible materials Acids. Strong oxidising agents. Chlorine. Isocyanates.

10.6. Hazardous Carbon oxides.

decomposition products

10.4. Conditions to avoid

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation May cause drowsiness or dizziness. Headache. Nausea, vomiting. May cause allergy or asthma

symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Skin contact May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of

occupational exposure.

Symptoms May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation.

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Components Species Test Results

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Acute Inhalation

LC50 Rat > 25000 mg/m3, 6 h

Skin corrosion/irritationBased on available data, the classification criteria are not met.

Serious eye damage/eye

Causes serious eye irritation.

irritation

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

 Carcinogenicity
 Based on available data, the classification criteria are not met.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity -

single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity -

repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard Not likely, due to the form of the product.

Mixture versus substance

information

Not available.

11.2. Information on other hazards

Endocrine disrupting properties

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU)

2018/605 at levels of 0.1% or higher.

Other information May cause allergic respiratory and skin reactions.

SECTION 12: Ecological information

The product is not classified as environmentally hazardous. However, this does not exclude the 12.1. Toxicity

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components **Species Test Results**

ammonia% (CAS 1336-21-6)

Aquatic

Acute

EC50 Crustacea Daphnia magna 101 mg/l, 96 hours Fish LC50 0,89 mg/l, 96 hours

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Aquatic

Acute

LC50 Crustacea Brine shrimp (Artemia salina) > 10000 mg/l, 24 hours Fish LC50 Bluegill (Lepomis macrochirus) > 1400 mg/l, 96 hours

12.2. Persistence and

No data is available on the degradability of any ingredients in the mixture.

degradability

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

> ammonia% -2.66Propan-2-ol; Isopropyl alcohol; Isopropanol 0,05

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

properties

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU)

2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

The product contains volatile organic compounds which have a photochemical ozone creation potential.

GWP: 0

Substance Global Warming Potential per (Annex IV), Regulation 517/2014/EU on fluorinated greenhouse gases, as amended

0

ammonia% (CAS 1336-21-6)

12.8. Additional information

Estonia Dangerous substances in soil Data

Propan-2-ol; Isopropyl alcohol; Isopropanol

(CAS 67-63-0)

Chemical pesticides (As the total sum of the active substances)

0,5 mg/kg

Chemical pesticides (As the total sum of the active substances) 20

mg/kg

Chemical pesticides (As the total sum of the active substances) 5

mg/kg

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual wasteDispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal. Do not re-use empty containers.

EU waste codeThe Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents

under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international

regulations.

Special precautionsDispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number UN1950

14.2. UN proper shipping AEROSOLS, flammable

name

14.3. Transport hazard class(es)

Class 2.1

Subsidiary risk Not assigned.

Label(s) 2.1

Hazard No. (ADR) Not assigned.

Tunnel restriction code D **ADR/RID - Classification** 5F

code:

14.4. Packing group Not assigned.

14.5. Environmental hazards No

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

IATA

14.1. UN number UN1950

14.2. UN proper shipping Aero

name

Aerosols, flammable

14.3. Transport hazard class(es)
Class 2.1

Subsidiary risk Not assigned.

14.4. Packing group Not assigned.

14.5. Environmental hazards No ERG Code 10L

14.6. Special precautions

for user

Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

aircraft

Other information

Allowed with restrictions.

Cargo aircraft only Allowed with restrictions.

IMDG

14.1. UN number UN1950

14.2. UN proper shipping Aerosols, flammable

name

14.3. Transport hazard class(es)

Class 2.1

Subsidiary risk Not assigned.

14.4. Packing group Not assigned.

14.5. Environmental hazards

Marine pollutant No EmS F-D, S-U

14.6. Special precautions

ner opeeia. pi

Read safety instructions, SDS and emergency procedures before handling.

for user

14.7. Maritime transport in bulk Not established.

according to IMO instruments

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SECTION 15: Regulatory information

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

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended ammonia% (CAS 1336-21-6)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended ammonia% (CAS 1336-21-6)

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

ammonia% (CAS 1336-21-6)

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP

Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as

amended.

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

CAS: Chemical Abstract Service.

Ceiling: Short Term Exposure Limit Ceiling value.

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CEN: European Committee for Standardization.

CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

GWP: Global Warming Potential.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous

Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals). RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VME: Exposure Average Value. VOC: Volatile organic compounds.

vPvB: Very persistent and very bioaccumulative.

STEL: Short-term Exposure Limit.

References

Information on evaluation method leading to the classification of mixture

Full text of any statements, which are not written out in full under sections 2 to 15

Not available.

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

H225 Highly flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Revision information

Training information

Disclaimer

None.

Follow training instructions when handling this material.

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