

PRF IPAfluid

Date 4.12.2015

Previous date: 30.6.2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****1.1.1 Commercial Product Name**

PRF IPAfluid

1.1.2 Product code

PEIPA45

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Recommended use**

Cleaning agent

1.3 Details of the supplier of the safety data sheet**1.3.1 Supplier**

Taerosol Oy

Street address

Hampuntie 21

Postcode and post office

36220

Postcode and post office

Kangasala Finland

Telephone

03-3565600

Email

heikki.jalava@taerosol.com

1.4 Emergency telephone number**1.4.1 Telephone number, name and address**09-471 977 tai 09-4711 Myrkytystietokeskus / HUS
PL 340 (Haartmaninkatu 4), 00029 HUS (Helsinki)**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****1272/2008 (CLP)**

Flam. Liq. 2, H225

Eye Irrit. 2, H319

STOT SE 3, H336

2.2 Label elements**1272/2008 (CLP)**

GHS07 - GHS02

Signal word

Danger**Hazard Statements**

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

Precautionary Statements

P102

Keep out of reach of children.

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233

Keep container tightly closed.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

2.3 Other hazards

Volatile. Vapours may form explosive mixture with air.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

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Hazardous components

CAS/EC and Reg. number	Chemical name of the substance	Concentration	Classification
67-63-0 200-661-7	Propan-2-oli	100%	F; R11; Xi; R36; R67 ;Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336Eye Irrit. 2 - H319 STOT SE 3 - H336

4. FIRST AID MEASURES**4.1 Description of first aid measures****4.1.2 Inhalation**

If breathed in, move person into fresh air.

4.1.3 Skin contact

Immediately flush skin with large amounts of water.

4.1.4 Eye contact

Immediately flush eye(s) with plenty of water. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

4.1.5 Ingestion

Do not induce vomiting without medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Severe eye irritation CAUTION! - MAY CAUSE RESPIRATORY TRACT IRRITATION. Höyryt voivat aiheuttaa uneliaisuutta ja huimausta.

4.3 Indication of immediate medical attention and special treatment needed

For specialist advice physicians should contact the Poisons Information Service.

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.1.2 Extinguishing media which must not be used for safety reasons

None known.

5.2 Special hazards arising from the substance or mixture

Very flammable

5.3 Advice for firefighters

Explosive reaction may occur on heating or burning.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment.

6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

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7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Keep in a dry, cool and well-ventilated place.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep tightly closed in a dry, cool and well-ventilated place.
- 7.3 Specific end use(s)**

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Threshold limits**
- | | | | |
|---------|--------------|-----------------------------|--------------------------------|
| 67-63-0 | Propan-2-oli | 200 ppm (8 h) | 250 ppm (15 min) |
| | | 500 mg/m ³ (8 h) | 620 mg/m ³ (15 min) |
- 8.1.3 Limit values in other countries**
No data is available on the product itself.
- 8.1.4 DNELs**
not determined
- 8.1.5 PNECs**
not determined
- 8.2 Exposure controls**
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**
Do not inhale fumes. In case of insufficient ventilation, wear suitable respiratory equipment.
- 8.2.2.2 Hand protection**
Wear suitable gloves and eye/face protection.
- 8.2.2.3 Eye/face protection**
Wear suitable gloves and eye/face protection.
- 8.2.2.4 Skin protection**
Wear suitable gloves and eye/face protection.
- 8.2.3 Environmental exposure controls**
Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Important Health Safety and Environmental Information**
- 9.1.1 Appearance**
Liquid
- 9.1.2 Odour** alcohol-like
- 9.1.3 Odour threshold** not determined
- 9.1.4 pH** not determined
- 9.1.5 Melting point/freezing point** -88°C
- 9.1.6 Initial boiling point and boiling range** 82°C
- 9.1.7 Flash point** 13°C
- 9.1.8 Evaporation rate** not determined
- 9.1.9 Flammability (solid, gas)** not determined
- 9.1.10 Explosive properties**
- 9.1.10.1 Lower explosion limit** not determined

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9.1.10.2	Upper explosion limit	not determined
9.1.11	Vapour pressure	not determined
9.1.12	Vapour density	not determined
9.1.13	Relative density	not determined
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	completely soluble
9.1.14.2	Fat solubility (solvent - oil to be specified)	not determined
9.1.15	Partition coefficient: n-octanol/water	not determined
9.1.16	Auto-ignition temperature	not determined
9.1.17	Decomposition temperature	not determined
9.1.18	Viscosity	not determined
9.1.19	Explosive properties	not determined
9.1.20	Oxidising properties	not determined
9.2	Other information	

10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
Keep away from heat and flame. Keep away from sources of ignition - No smoking.
- 10.2 Chemical stability**
Stable under normal conditions.
- 10.3 Possibility of hazardous reactions**
- 10.4 Conditions to avoid**
Heat, flames and sparks.
- 10.5 Incompatible materials**
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- 10.6 Hazardous decomposition products**

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
LD50/oral/rat =>2000mg/kg
LD50/dermal/rabbit =>2000mg/kg
LC50/inhalation/8h/rat =>20mg/l
- 11.1.2 Irritation and corrosion**
Severe eye irritation
- 11.1.3 Sensitisation**
Not Rated
- 11.1.4 Subacute, subchronic and prolonged toxicity**
No data is available on the product itself.
- 11.1.5 STOT-single exposure**
Severe eye irritation Höyryt voivat aiheuttaa uneliaisuutta ja huimausta.
- 11.1.8 Other information on acute toxicity**
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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12. ECOLOGICAL INFORMATION**12.1 Toxicity****12.1.1 Aquatic toxicity**

This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.2 Persistence and degradability**12.2.1 Biodegradation**

Readily biodegradable.

12.3 Bioaccumulative potential

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.4 Mobility in soil**12.5 Results of PBT and vPvB assessment****12.6 Other adverse effects****13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of wastes in an approved waste disposal facility.

13.2 Waste from residues / unused products

Hävitätä tyhjät astiat ja jätteet turvallisesti. Fully drained containers which are drop- and scrape-free can be treated as industrial waste, and can possibly be recycled.

14. TRANSPORT INFORMATION**14.1 UN number**

UN 1219

14.2 UN proper shipping name

ISOPROPANOLI (isopropyylialkoholi)

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

14.6 Special precautions for users**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code****15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2 Chemical safety assessment****16. OTHER INFORMATION****16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.
R67	Vapours may cause drowsiness and dizziness.

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H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

16.8 Additional information available from:
tilaukset(at)taerosol.com