

Revision Date: 12 February 2020 Revision Number: 6

1. Substance Identification

2. Composition

3. Hazards Identification

Flammable Liquid	Category 3
Eye Irritation	Category 2A
Hazard Pictograms	
Hazard Statement	Flammable liquid/vapour Causes eye irritation



HIGHLY FLAMMABLE

Keep out of reach of children

Keep container tightly closed

Avoid contact with eyes

If swallowed, seek medical advice immediately and show this container label

4. FIRST AID MEASURES

Inhalation: Remove to fresh air and rest. If recovery is not rapid obtain prompt medical attention.

Eye Contact: Irrigate with water for at least 15 minutes Take care not to wash chemical from one eye to another. If irritation persists consult a doctor

Ingestion: Do not induce vomiting. Give plenty of water to drink.

Beware of aspiration if vomiting occurs. If feeling unwell, seek medical attention immediately

5. FIRE-FIGHTING MEASURES

Suitable Extinguishers: Foam, dry powder, Carbon Dioxide, Water fog

Inert material: Sand, Earth, etc.

Unsuitable Extinguishers: Do not use high pressure water jets

Hazardous Decomposition:

If involved in a fire may decompose to produce toxic fumes. Gel will readily catch fire after brief contact with ignition sources, and will continue to burn vigorously after removal of ignition

Special Procedures:

Do not breathe decomposition products and fumes.

Use approved self-contained breathing apparatus.

Wear fire retardant clothing.

If material is surrounded by fire, use water spray to keep containers cool.

Large fires should only be dealt with by trained personnel.

6. ACCIDENTAL RELEASE MEASURES

Exposure Controls: Eliminate all sources of ignition.

Do not allow spill to enter drains and watercourses.

Clean up as part of good housekeeping practice.

Personal Protection: Avoid eye contact.

Disposal Considerations: Scoop up and place in container to await transfer. Dispose of in accordance with local authority regulations.

7. HANDLING AND STORAGE

Handling: Avoid eye contact.

Storage: Store in a cool, dry, well-ventilated area at less than 50 degrees C. Store away from oxidizing materials and sources of ignition.

8. EXPOSURE CONTROLS

Occupational Exposure Limit:

Use in well ventilated areas

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Clear/opaque Gel

Odor: Alcoholic

pH: 7.0-8.5

Boiling point/range: n/a

Melting point/range: n/a

Flash point: closed cup ASTM D 93: 30 c **Flash point: open cup ASTM D 92:** 34 c **Flammability:** Highly Flammable

Auto-flammability: 422 c **Explosive Properties:** None **Oxidizing properties:** None **Vapor pressure:** Negligible

Gross Calorific Value MJ/kg: n/a

Relative Density at 20 degrees C,kg/1: n/a **Solubility:** Moderately soluble **Vapor Density:** n/a

10. STABILITY AND REACTIVITY

Stable at normal temperatures.

Self-sustaining combustion following ignition.

No hazardous decomposition products when stored and handled correctly.

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Inhalation and eye. Mild irritation and can cause redness to eyes.

Ingestion of large amounts may lead to acute nausea and vomiting.

12. ECOLOGICAL INFORMATION

Non-toxic to aquatic life.

Not expected to be persistent in the environment.

Bio-accumulative potential: Does not bio-accumulate.

Mobility: Will dissolve and disperse in the aqueous environment

13. DISPOSAL CONSIDERATIONS

Waste materials must be treated as a fire hazard.

Do not discharge into drains or water courses.

Dispose in accordance with the Special Waste Regulations of the relevant authority.

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

Do not re-use empty containers.

14a. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labelling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UK UN/SI Number: 1170

IMO: Class 3

Packing Group 111

IATA/IACO: Class 3 Packing Group 111

ADR/RID: Class 3 Packing Group 111

Transport Name: (UK Road) Ethanol solution

HAZCHEM/Kemier Code: IZ/40

14b. TRANSPORT INFORMATION

USA DOT CLASSIFICATION: HF03103, HF03108

Consumer Commodity ORM-D Exemption

INTERNATIONAL: HF03108B

Dangerous Goods in Limited Quantity of Class 3, PG111; or, Flammable liquid, Organic, N.O.S., (Contains Ethanol, 3, UN1170, 111, limited)

15a. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know	
CERCLA Reportable Quantity	
This material does not contain any components with a CERCLA RQ.	
SARA 304 Extremely Hazardous Substances Reportable Quantity	
This material does not contain any components with a section 304 EHS RQ.	
SARA 311/312 Hazards:	Fire Hazard
	Acute Health Hazard
SARA 302	No chemicals in this material are subject to the reporting requirements of SARS Title III Section 302
SARS 313	This material does not contain ant chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III Section 313

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

1907/2006 (EU) :

not determined

Switzerland. New notified substances and declared preparations : not determined

United States TSCA Inventory :

On TSCA Inventory

Canadian Domestic Substances List (DSL) :

This product contains one or several components that are not on the Canadian DSL nor NDSL.

Australia Inventory of Chemical Substances

(AICS) : not determined

New Zealand. Inventory of Chemical Substances :

not determined

Japan. ENCS - Existing and New Chemical Substances

Inventory : not determined

Japan. ISHL - Inventory of Chemical Substances

(METI) : not determined

Korea. Korean Existing Chemicals Inventory

(KECI) : not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

not determined

China. Inventory of Existing Chemical Substances in China

(IECSC) : not determined

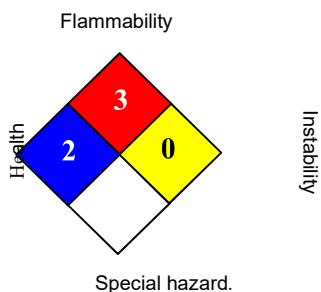
UK a) Risk & Safety R11 HIGHLY FLAMMABLE S2 Keep out of reach of children S7 Keep container tightly closed S24/25 Avoid contact with eyes S46 If swallowed, seek medical advice Immediately and show this container or label

b) Other Regulations Health & Safety at Work, etc. Act 1974 Control of Substances Hazardous to Health Regulations 2002 Environmental Protection Act 1990 Special Waste Regulations 1996 15b. REGULATORY INFORMATION – USA OSHA: This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1900.1200). RCRA (40CFR 261, Subpart D): None of OSHA regulated components in this product are listed as Hazardous Waste under 40 CFR 261 (subpart D). This product is considered a Hazardous Waste based on flammability

16. OTHER INFORMATION

The information provided in this Materials Safety Data Sheet is correct to the best of our knowledge and information at the date of its publication. The information provided is a guide for the safe handling, use, processing, storage, transportation and disposal, and is not to be considered a warranty or quality specification. The information relates to specific material and may not be valid if used in combination with any other materials or processes.

NFPA



HMIS III

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant
1 = Slight
2 = Moderate
3 = High
4 = Extreme
* = Chronic