

Main Group

SAFETY DATA SHEET FUSION SURFACE PREP

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

1.1. Product identifier

Product name FUSION SURFACE PREP

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

Identified uses Preparation Cleaner

1.3. Details of the supplier of the safety data sheet

Supplier MAIN CHEMICAL CO. LTD
P.O. Box 14
Heckmondwike
West Yorkshire
WF16 0XQ

Tel : +44 (0)1924 404006
Fax : +44 (0)1924 400999
Email : technical@mainchemicals.com

1.4. Emergency telephone number

Emergency telephone Tel : +44 (0) 1924 404006 (Office Hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225
Health hazards Eye Irrit. 2 - H319 STOT SE 3 - H336
Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi;R36. F;R11. R67.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

FUSION SURFACE PREP

Precautionary statements

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

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

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

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

Contains

Contains PROPAN-2-OL

Supplementary precautionary statements

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P312 Call a POISON CENTRE/doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/ attention.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

2.3. Other hazards

Hazard id 2a

Hazard ID 2A

"Hazard ID 2A"

Hazard

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PROPAN-2-OL	60-100%
CAS number: 67-63-0	EC number: 200-661-7
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F;R11 Xi;R36 R67
Eye Irrit. 2 - H319	
STOT SE 3 - H336	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Ingredient notes MIXTURE OF SUBSTANCES LISTED ABOVE WITH NON-HAZARDOUS ADDITIONS.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Move affected person to fresh air at once. Get medical attention if any discomfort continues.

FUSION SURFACE PREP

Inhalation	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately. Keep affected person away from heat, sparks and flames.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Alcohol-resistant foam. Powder. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards May explode when heated or when exposed to flames or sparks. Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers.

5.3. Advice for firefighters

Protective actions during firefighting Ventilate closed spaces before entering them. Move containers from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Do not scatter spilled material with more water than needed to fight the fire. Risk of re-ignition after fire has been extinguished. Control run-off water by containing and keeping it out of sewers and watercourses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Inform the relevant authorities if this occurs.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Stop leak if possible without risk. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Flush away spillage with plenty of water.

FUSION SURFACE PREP

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Vapours may accumulate on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidising materials, heat and flames. May attack some plastics, rubber and coatings. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

PROPAN-2-OL (CAS: 67-63-0)

DNEL

- Industry - Dermal; Long term systemic effects: 888 mg/kg/day
- Industry - Inhalation; Long term systemic effects: 500 mg/m³
- Consumer - Dermal; Long term systemic effects: 319 mg/kg/day
- Consumer - Inhalation; Long term systemic effects: 89 mg/m³
- Consumer - Oral; Long term systemic effects: 26 mg/kg/day

PNEC

- Fresh water; 140.9 mg/l
- marine water; 140.9 mg/l
- Sediment; 552 mg/kg
- Soil; 28 mg/kg
- Intermittent release; 140.9 mg/l
- Sediment (Marinewater); 552 mg/kg
- STP; 7-8 2251 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Use protective gloves.

FUSION SURFACE PREP

Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures	Provide eyewash station and safety shower. Use engineering controls to reduce air contamination to permissible exposure level.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Slight alcoholic.
Melting point	-89°C
Initial boiling point and range	82°C
Flash point	12°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 2 Upper flammable/explosive limit: 12
Relative density	0.7855
Solubility(ies)	Soluble in water. Soluble in the following materials: Alcohols.
Auto-ignition temperature	>399°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
------------------	--

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
---	----------------------

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
----------------------------	---

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.
---------------------------	--------------------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
---	---

SECTION 11: Toxicological information

11.1. Information on toxicological effects

FUSION SURFACE PREP

Acute and chronic health hazards Inhalation May cause respiratory system irritation. SKIN CONTACT. Prolonged contact may cause dryness of the skin. May cause skin irritation/eczema. EYE CONTACT. Irritating to eyes. INGESTION. May cause stomach pain or vomiting.

Toxicological information on ingredients.

PROPAN-2-OL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,840.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 16.4

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ gases ppmV) 10,000.0

Species Rat

ATE inhalation (gases ppm) 10,000.0

SECTION 12: Ecological information

12.1. Toxicity

Ecological information on ingredients.

PROPAN-2-OL

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, >: > 100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: > 1000 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC₅₀, >: > 1000 mg/l, Activated sludge

12.2. Persistence and degradability

Persistence and degradability Readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

FUSION SURFACE PREP

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods	Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Confirm disposal procedures with environmental engineer and local regulations. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1219
UN No. (IMDG)	1219
UN No. (ICAO)	1219
UN No. (ADN)	1219

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper shipping name (IMDG)	ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper shipping name (ICAO)	ISOPROPANOL (ISOPROPYL ALCOHOL)
Proper shipping name (ADN)	ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

14.5. Environmental hazards

FUSION SURFACE PREP

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	2
Emergency Action Code	•2YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations	<p>Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972. Fire Precautions Act 1971. Health and Safety at Work etc. Act 1974 (as amended). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste) Regulations 1980 (as amended). Control of Pollution Act 1974. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended).</p>
EU legislation	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p>
Guidance	<p>Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.</p>

15.2. Chemical safety assessment

SECTION 16: Other information

General information	<p>Quality Assurance: Main Chemical Co Ltd, Conforms to ISO 9001 : 2015 Cert No. 14130770</p> <p>Environmental Standard: Main Chemical Co Ltd, Conforms to ISO 14001 : 2015 Cert No. 14124143</p>
Revision date	12/12/2014
Revision	22/10/2015
Supersedes date	29/11/2018
SDS number	10561

FUSION SURFACE PREP

Risk phrases in full	R11 Highly flammable. R36 Irritating to eyes. R67 Vapours may cause drowsiness and dizziness.
Hazard statements in full	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

Uses Advised Against: The product should not be used for any other purpose other than its intended use. Handling, storage and conditions to avoid instructions must be followed at all times. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.