



SAFETY DATA SHEET M17 DE-ICER

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

1.1. Product identifier

Product name M17 DE-ICER
UFI UFI: SRC0-P07V-T00U-P9X1

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

1.3. Details of the supplier of the safety data sheet

Supplier Orca Hygiene
Blackhouse Circle,
Blackhouse Industrial Estate,
Peterhead, AB42 1BN
+44 (0)1779 871945
technical@orcahygiene.com

Contact person For content of safety data sheet: technical@orcahygiene.com

Manufacturer Orca Hygiene
Blackhouse Circle,
Blackhouse Industrial Estate,
Peterhead, AB42 1BN
+44 (0)1779 871945
technical@orcahygiene.com

1.4. Emergency telephone number

Emergency telephone Orca Hygiene +44 (0)1779 871945 (Mon-Fri) 09:00 - 17:00

National emergency telephone number UK Tel: 999 - For Emergency services - Ambulance, Police and Fire services Tel: 111 - When you need medical advice or treatment but it is not an emergency.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.

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Precautionary statements	P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P264 Wash contaminated skin thoroughly after handling. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with national regulations.
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2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHANOL			20-30%
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX	
Classification			
Flam. Liq. 2 - H225			
propan-2-ol			1-5%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-XXXX	
Classification			
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336			

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection**8.1. Control parameters**Occupational exposure limits**ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

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.

8.2. Exposure controls**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****9.2. Other information****SECTION 10: Stability and reactivity****10.1. Reactivity****10.2. Chemical stability****10.3. Possibility of hazardous reactions****10.4. Conditions to avoid****10.5. Incompatible materials****10.6. Hazardous decomposition products****SECTION 11: Toxicological information****11.1. Information on toxicological effects**Toxicological information on ingredients.**ETHANOL****Skin corrosion/irritation**

Summary No data available.

Serious eye damage/irritation

Summary Eye Irritation

Respiratory sensitisation

Summary No data available

Skin sensitisation

Summary No data available

Germ cell mutagenicity

Summary No data is available on this product.

Carcinogenicity

IARC carcinogenicity IARC Group 1 Carcinogenic to humans.

Reproductive toxicity

Summary No data is available on this product.

Specific target organ toxicity - single exposure

Summary No data available

Specific target organ toxicity - repeated exposure

Summary No data available

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Aspiration hazard

Summary No data available

Acute and chronic health hazards Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

propan-2-ol

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 5,840.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 13,120.0

Species Rabbit

ATE dermal (mg/kg) 13,120.0

Skin corrosion/irritation

Animal data Primary dermal irritation index: 0 Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 ml, 14 days, Rabbit Causes serious eye irritation.

Skin sensitisation

Skin sensitisation Buehler test - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

Carcinogenicity

Carcinogenicity NOEL 5000 ppm, Inhalation, Mouse

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

SECTION 12: Ecological information

Ecological information on ingredients.

ETHANOL

Ecotoxicity Do not empty into drains. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

12.1. Toxicity

Ecological information on ingredients.

ETHANOL

Acute aquatic toxicity

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Acute toxicity - fish Fathead minnow
(Pimephales promelas)
LC50 = 14200 mg/l/96h

Acute toxicity - aquatic invertebrates EC50 = 9268 mg/L/48h
EC50 = 10800 mg/L/24h

Acute toxicity - aquatic plants EC50 (72h) = 275 mg/l
(Chlorella vulgaris)

propan-2-ol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 10000 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates LC₅₀, 24 hours: > 10000 mg/l, Daphnia magna
LC₀, 24 hours: 50000 mg/l, Daphnia magna

12.2. Persistence and degradability

Ecological information on ingredients.

ETHANOL

Persistence and degradability Persistence is unlikely based on information available.

propan-2-ol

Biodegradation Water - Degradation (53%): 5 days
The substance is readily biodegradable.

Biological oxygen demand 1.19 g O₂/g substance

Chemical oxygen demand 2.23 g O₂/g substance

12.3. Bioaccumulative potential

Ecological information on ingredients.

ETHANOL

Bioaccumulative potential No information available.

Partition coefficient Not available.

12.4. Mobility in soil

Ecological information on ingredients.

ETHANOL

Mobility Will likely be mobile in the environment due to its volatility.

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

propan-2-ol

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

SECTION 14: Transport information**14.1. UN number**

UN No. (ADR/RID)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993
UN No. (ADN)	1993

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL (ETHYL ALCOHOL), propan-2-ol)
Proper shipping name (IMDG)	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL (ETHYL ALCOHOL), propan-2-ol)
Proper shipping name (ICAO)	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL (ETHYL ALCOHOL), propan-2-ol)
Proper shipping name (ADN)	FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL (ETHYL ALCOHOL), propan-2-ol)

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

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	2
Emergency Action Code	•3YE
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

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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

15.2. Chemical safety assessment

SECTION 16: Other information

SDS number 24523

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

DIRECTIONS FOR USE

PRODUCT LOGO