

SAFETY DATA SHEET

Dis-Spray

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name Dis-Spray

Product number 505030

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

Identified uses Embalming Spray

1.3. Details of the supplier of the safety data sheet

Supplier The MazWell Group Ltd.

Units 11/14-15 Ardglen Industrial Estate,

Whitchurch, Hampshire, RG28 7BB, United Kingdom +44 (0)1256-893883

+44 (0)1256-893868

enquiries@themazwellgroup.com

1.4. Emergency telephone number

Emergency telephone +44 (0)1256 893883 (Mon- Fri 9:00 am - 4:30 pm)

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 Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms







Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Dis-Spray

Precautionary statements

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

smoking.

P261 Avoid breathing vapour/ spray.
P273 Avoid release to the environment.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

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

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

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.

P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area.

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.

P391 Collect spillage.

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

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Propan-2-ol 50 - 100%

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

Propane-1,2-diol 0.25 - <0.5%

CAS number: 57-55-6 EC number: 200-338-0

Classification

Acute Tox. 4 - H302

Dis-Spray

Quaternary ammonium compounds, benzyl-C12-18-

0.025 - < 0.25%

alkyldimethyl, chlorides

CAS number: 68391-01-5 EC number: 269-919-4

M factor (Acute) = 1

Classification

Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400

Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides

0.025 - < 0.25%

Classification

Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Triclosan 0.025 - <0.25%

Classification

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Ethanol 0.025 - <0.25%

CAS number: 64-17-5 EC number: 200-578-6

Classification

Flam. Liq. 2 - H225 Eye Irrit. 2 - H319

Dis-Spray

Amines, C12-18-alkyldimethyl <0.025%

Classification

Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information If in doubt, get medical attention promptly.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get

medical attention if any discomfort continues.

Skin contact Wash skin thoroughly with soap and water. Wash contaminated clothing before reuse. Get

medical attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse

for at least 10 minutes. Get medical attention promptly if symptoms occur after washing.

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

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion Dryness of mouth and throat. May cause discomfort if swallowed.

Skin contact Dryness and/or cracking.

Eye contact Irritating to eyes.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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

Hazardous combustion

Carbon dioxide (CO2). Carbon monoxide (CO).

products

5.3. Advice for firefighters

Dis-Spray

Protective actions during firefighting

Avoid breathing fire gases or vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours. Avoid contact with eyes. Wear protective clothing as described in

Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. Provide adequate ventilation. Wear protective clothing as

described in Section 8 of this safety data sheet. Absorb spillage with non-combustible, absorbent material. Place waste in labelled, sealed containers. Dispose of contents/container

in accordance with national regulations.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health

hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Avoid inhalation of vapours and contact

with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

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

Propane-1,2-diol

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

Ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³ WEL = Workplace Exposure Limit.

8.2. Exposure controls

Dis-Spray

Appropriate engineering

controls

Observe any occupational exposure limits for the product or ingredients. This product is not to

be used under conditions of poor ventilation.

Eye/face protection The following protection should be worn: Tight-fitting safety glasses. Personal protective

equipment for eye and face protection should comply with European Standard EN166.

Hand protection Wear protective gloves. The most suitable glove should be chosen in consultation with the

glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European

Standard EN374.

Other skin and body

protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures Do not eat, drink or smoke when using this product. Provide eyewash station. Wash hands

thoroughly after handling. Wash contaminated clothing before reuse. Wash at the end of each

work shift and before eating, smoking and using the toilet.

Respiratory protection Respiratory protection must be used if the airborne contamination exceeds the recommended

occupational exposure limit. Ensure all respiratory protective equipment is suitable for its

intended use and is 'CE'-marked.

Environmental exposure

controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Clear liquid.

Colour Blue.

Odour Mild. Alcoholic.

Odour threshold Not available.

pH Not available.

Melting point Not available.

Initial boiling point and range 75-77°C @ 760 mm Hg

Flash point 12°C Closed cup.

Evaporation rate > 1 (butyl acetate = 1)

Flammability (solid, gas) Flammable liquid and vapour.

Upper/lower flammability or

explosive limits

Lower flammable/explosive limit: 2% Upper flammable/explosive limit: 12% $\,$

Vapour pressure 33 mm Hg @ 20°C

Vapour density > 1

Relative density 0.86-0.88 @ 20°C

Solubility(ies) Soluble in water.

Partition coefficient Not available.

Auto-ignition temperature Not available.

Decomposition Temperature Not available.

Viscosity Not available.

Dis-Spray

Explosive properties Not considered to be explosive.

Oxidising properties Does not meet the criteria for classification as oxidising.

9.2. Other information

Volatility 99.6%

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

In use may form flammable/explosive vapour-air mixture. Reactions with the following

materials may generate heat: Oxidising agents.

10.4. Conditions to avoid

Conditions to avoid Keep away from heat, sparks and open flame.

10.5. Incompatible materials

Materials to avoid Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

Does not decompose when used and stored as recommended.

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

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

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Carcinogenicity

Dis-Spray

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

Reproductive toxicity

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

Reproductive toxicity -

Based on available data the classification criteria are not met.

development

Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 3 - H336 May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion Dryness of mouth and throat. May cause discomfort if swallowed.

Skin contact Dryness and/or cracking.

Eye contact Irritating to eyes.

Toxicological information on ingredients.

Propan-2-ol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 5,840.0

mg/kg)

Species Rat

Notes (oral LD₅₀) REACH dossier information.

ATE oral (mg/kg) 5,840.0

Skin corrosion/irritation

Animal data Primary dermal irritation index: 0 REACH dossier information.

Serious eye damage/irritation

Serious eye Dose: 0.1 ml, 1 second, Rabbit REACH dossier information. Irritating.

damage/irritation

Skin sensitisation

Skin sensitisation Buehler test - Guinea pig: Not sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitroGene mutation: Negative. REACH dossier information.

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information.

Carcinogenicity

Carcinogenicity NOEL 5000 ppm, Inhalation, Rat REACH dossier information.

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

Specific target organ toxicity - single exposure

Dis-Spray

STOT - single exposure STOT SE 3 - H336 May cause drowsiness or dizziness.

Target organs Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEC 5000 ppm, Inhalation, Rat REACH dossier information.

Triclosan

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

5,001.0

Species Rat

Notes (oral LD₅₀) REACH dossier information. Based on available data the classification criteria are

not met.

ATE oral (mg/kg) 5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 6,001.0

mg/kg)

Species Rabbit

Notes (dermal LD₅₀) REACH dossier information. Based on available data the classification criteria are

not met.

ATE dermal (mg/kg) 6,001.0

Acute toxicity - inhalation

Based on available data the classification criteria are not met. Notes (inhalation LC₅₀)

Skin corrosion/irritation

Animal data Dose: 0.5 mL, 24 hours, Rabbit Erythema/eschar score: Well defined erythema (2).

Oedema score: Very slight oedema - barely perceptible (1). REACH dossier

information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Buehler test - Guinea pig: Not sensitising. REACH dossier information. Based on

available data the classification criteria are not met.

Germ cell mutagenicity

Gene mutation: Negative. REACH dossier information. Based on available data the Genotoxicity - in vitro

classification criteria are not met.

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information. Based on available

data the classification criteria are not met.

Carcinogenicity

Dis-Spray

Carcinogenicity NOAEL 3000 ppm, Oral, Rat REACH dossier information. Based on available data

the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity -

fertility

Two-generation study - NOAEL 3000 ppm, Oral, Rat P REACH dossier information.

Based on available data the classification criteria are not met.

Reproductive toxicity - development

Developmental toxicity: - NOAEL: 150 mg/kg/day, Oral, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 50 ppm, Oral, Mouse REACH dossier information. Based on available data

the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

Propan-2-ol

Toxicity No negative effects on the aquatic environment are known.

Acute aquatic toxicity

Acute toxicity - fish LC₅o, 96 hours: 10000 mg/l, Pimephales promelas (Fat-head Minnow)

REACH dossier information.

Acute toxicity - aquatic

invertebrates

LC₅₀, 24 hours: > 10000 mg/l, Daphnia magna

REACH dossier information.

Acute toxicity - aquatic

plants

Toxicity threshold, 7 days: 1800 mg/l, Scenedesmus quadricauda

REACH dossier information.

Triclosan

Toxicity Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Very toxic to aquatic life with long

lasting effects.

Acute aquatic toxicity

M factor (Acute) 100

Acute toxicity - fish LC₅₀, 96 hours: 0.54 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: >0.18 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅₀, 72 hours: 0.001 mg/l, Desmodesmus subspicatus

Chronic aquatic toxicity

Dis-Spray

NOEC 0.0001 < NOEC ≤ 0.001

Degradability Non-rapidly degradable

M factor (Chronic) 100

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

Propan-2-ol

Persistence and

degradability

The product is readily biodegradable.

Biodegradation Water - Degradation (53%): 5 days

REACH dossier information.

The substance is readily biodegradable.

Biological oxygen demand 1.19 - 1.72 g O₂/g substance REACH dossier information.

Chemical oxygen demand 2.23 g O₂/g substance REACH dossier information.

Triclosan

Persistence and

degradability

The product is not readily biodegradable.

Phototransformation Water - DT₅₀ : 23.9 hours

Estimated value.

Biodegradation Water - Degradation 37%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Ecological information on ingredients.

Propan-2-ol

Bioaccumulative potential No data available on bioaccumulation.

Triclosan

Bioaccumulative potential BCF: 2532, Brachydanio rerio (Zebra Fish)

Partition coefficient log Pow: 4.8

12.4. Mobility in soil

Mobility Mobile.

Ecological information on ingredients.

Propan-2-ol

Mobility Soluble in water.

Triclosan

Dis-Spray

Mobility The product is partly soluble in water and may spread in the aquatic environment.

Adsorption/desorption

coefficient

Water - log Koc: 2.92 @ 20°C

Henry's law constant

0.000506 Pa m³/mol @ 25°C Estimated value.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

This product does not contain any substances classified as PBT or vPvB.

assessment

Ecological information on ingredients.

Propan-2-ol

Results of PBT and vPvB

This substance is not classified as PBT or vPvB according to current EU criteria.

assessment

Triclosan

Results of PBT and vPvB

This substance is not classified as PBT or vPvB according to current EU criteria.

assessment

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methodsThe packaging must be empty (drop-free when inverted). Dispose of contents/container in

accordance with national regulations.

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

FLAMMABLE LIQUID, N.O.S. (CONTAINS Propan-2-ol, Eucalyptus oil)

(ADR/RID)

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (CONTAINS Propan-2-ol, Eucalyptus oil)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (CONTAINS Propan-2-ol, Eucalyptus oil)

Proper shipping name (ADN) FLAMMABLE LIQUID, N.O.S. (CONTAINS Propan-2-ol, Eucalyptus oil)

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

Dis-Spray

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 III

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)

Tunnel restriction code (D/E)

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

33

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EH40/2005 Workplace exposure limits.

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16

December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

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).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Dis-Spray

Classification abbreviations

Acute Tox. = Acute toxicity

and acronyms

Aquatic Acute = Hazardous to the aquatic environment (acute)

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation Flam. Liq. = Flammable liquid Skin Corr. = Skin corrosion Skin Irrit. = Skin irritation

STOT SE = Specific target organ toxicity-single exposure

Training advice Only trained personnel should use this material.

Revision comments Revised formulation.

Revision date 06/11/2020

Revision 13

Supersedes date 04/11/2020

SDS number 595

Hazard statements in full H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.

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.