

# Safety data sheet

## MIGATRONIC COOLANT CONCENTRATED

Version 1.0

Effective date: 22-03-2023

# MIGATRONIC

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 Product identifier.

**Trade name:** MIGATRONIC COOLANT CONCENTRATED.

**Article number:** 99290508.

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

**Product use:** Coolant.

### 1.3 Details of the supplier of the safety data sheet:

**Company:** MIGATRONIC A/S  
Aggersundvej 33  
9690 Fjerritslev  
Denmark  
Phone +45 96 500 600 [www.migatronic.dk](http://www.migatronic.dk)

**Contact:** MJE@migatronic.dk

### 1.4 Emergency telephone number:

NHS: 111.  
Use your national or local emergency number.

## SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture to CLP No 1272/2008/GB CLP.** Eye  
Dam. 1; H318, Repr. 2; H361d.

### 2.2 Label elements CLP No 1272/2008/GB CLP.

**Hazard pictograms:**



**Signal word:**  
Danger

**Contains:** Potassium 2-ethylhexanoate.

### Hazard statements:

H318 Causes serious eye damage.

H361d Suspected of damaging the unborn child.

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### Precautionary statements:

General:

P101 If medical advice is needed, have product container or label at hand. P102

Keep out of reach of children.

Prevention:

P202 Do not handle until all safety precautions have been read and understood. P280

Wear protective gloves and eye protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. P308

+ P313 IF exposed or concerned: Get medical advice/attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

### Additional labelling:

-

### 2.3 Other hazards.

Contains no PBT or vPvB substances according to REACH No 1907/2006.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance:

The product is a mixture.

### 3.2 Mixture:

CAS/EC No.	REACH No.	Name	Content %	Classification
57-55-6 / 200-338-0	01- 211945680923- xxxx	Propane-1,2-diol	90	Not classified
3164-85-0 / 221-625-7	01- 211998949614- xxxx	Potassium 2-ethylhexanoate	≤5.5	Skin Irrit. 2; H315, Eye Dam. 1; H318, Repr. 2; H361d.

See full text of H-phrases in section 16. Occupational limits are listed in section 8 if these are available.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures:

<b>General information:</b>	Get medical attention if any discomfort continues. When obtaining medical advice, show the safety data sheet or label.
<b>Inhalation:</b>	In case of discomfort: Seek fresh air. Seek medical advice in case of persistent discomfort.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
<b>Eye contact:</b>	Flush immediately eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Make sure you flush under the upper and lower eyelids. Seek medical attention immediately.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

### 4.2 Most important symptoms and effects, both acute and delayed:

Causes serious eye damage.  
Reproductive toxicity: This product contains teratogenic substances which can do long-term damage to human offspring. The effects on the child can be: death, deformity, delayed development, and functional disorders.

### 4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

## SECTION 5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media:** Extinguish with powder, foam, carbon dioxide or water mist. Do not use water stream, as it may spread the fire.
- 5.2 Special hazards arising from the substance or mixture:** Fire may produce harmful fumes or gases, avoid inhalation.
- 5.3 Advice for firefighters:** Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures:

See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin and eyes.

### 6.2 Environmental precautions:

Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

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Prevent spillage from entering drains and/or surface water.

### 6.3 Methods and material for containment and cleaning up:

Small spills: wipe up with absorbent material (e.g. cloth, fleece).

Large spills: use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable closed container for disposal, according to local regulations. Then rinse the spillage site with plenty of water. Dispose of in accordance with section 13.

### 6.4 Reference to other sections:

See section 8 for personal protection.

See section 13 for disposal.

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

See section 8 for recommendations on the use of personal protective equipment. Avoid contact with skin and eyes.

Ensure sufficient ventilation.

Running water and eye wash equipment must be available.

### 7.2 Conditions for safe storage, including any incompatibilities:

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging.

### 7.3 Specific end use(s):

See section 1.2

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Occupational exposure limits EH40:

CAS No:	Name:	Limits:	Remarks:
57-55-6	Propane-1,2-diol – total vapour	Long-term value: 150 ppm, 474 mg/m <sup>3</sup>	-

DNEL / PNEC:

-

### 8.2 Exposure controls.

#### Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

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**General information:** Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Always wash hands, forearms and face. Provide eyewash station.

**Personal protective equipment:** Only CE-marked personal protection equipment should be used.



**Respiratory protection:** In case of insufficient ventilation, wear respiratory protective equipment with A2/P2 filter.

**Hand protection:** Wear gloves. EN 374.  
Type of material and thickness:  
Nitrilrubber >0.35 mm. Butylrubber >0.5 mm  
Penetration time: ≥480 min.

**Eye protection:** Wear safety glasses. EN 166.

**Body protection:** Normal working clothes.

**Measures to avoid environmental exposure:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	Green
Odour:	Weak
Melting point/freezing point:	~ -35 (w/w% 50 solution) ~ -15 (w/w% 33 solution)
Boiling point:	>170°C
Flammability:	Not relevant/no data
Lower and upper explosion limit:	Not relevant/no data
Flash point:	>100°C
Auto-ignition temperature:	>400°C
Decomposition temperature:	Not relevant/no data
pH:	8 - 10
Kinematic viscosity:	Not relevant/no data
Solubility:	Soluble in water
Partition coefficient n-octanol/water:	-1
Vapour pressure:	0.2 hPa (25°C)
Density and/or relative density:	1.030 g/cm <sup>3</sup> (20°C)
Relative vapour density:	0.2 hPa (25°C)

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Particle characteristics:

Not relevant/no data

### 9.2 Other information:

Viscosity: ~43 mPa.s (25 °C) (Dynamic).

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** None under normal conditions of use.

**10.2 Chemical stability:** Stable under normal conditions.

**10.3 Possibility of hazardous reactions:**  
None under normal conditions.

**10.4 Conditions to avoid:** Do not expose to heat (e.g. sunlight).

**10.5 Incompatible materials:** Strong reducing agents, strong oxidations agents.

**10.6 Hazardous decomposition products:**  
The product is not degraded when used as specified in section 1.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

**Acute toxicity:** Not classified.

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Causes serious eye damage.

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<b>Respiratory or skin sensitization:</b>	Not classified.
<b>Germ cell mutagenicity:</b>	Not classified.
<b>Carcinogenicity:</b>	Not classified.
<b>Reproductive toxicity:</b>	Suspected of damaging the unborn child.
<b>Specific target organ toxicity - single exposure:</b>	Not classified.
<b>Specific target organ toxicity – repeated exposure:</b>	Not classified.
<b>Aspiration hazard:</b>	Not classified.

### 11.2 Information on other hazards:

#### Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

#### Other information:

No other relevant information.

## SECTION 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** The product is not classified as harmful to the environment.

#### 12.2 Persistence and degradability:

No data available.

#### 12.3 Bioaccumulative potential:

No data available.

#### 12.4 Mobility in soil:

No data available.

#### 12.5 Result of PBT and vPvB assessment:

Contains no PBT or vPvB substances according to REACH No 1907/2006.

#### 12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

#### 12.7 Other adverse effects:

None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

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This product is considered a non-hazardous product.  
The coding of a waste stream is based on the application of the product by the consumer.  
Option:

**EWC-Code:** 14 06 03 Other solvents and solvent mixtures.

**Contaminated packing:** Properly cleaned container is disposed of according to packaging material, otherwise for incineration.

## SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	Not relevant	Not relevant
14.2 UN proper shipping name	Not relevant	Not relevant
14.3 Transport hazard class(es)	Not relevant	Not relevant
14.4 Packing group	Not relevant	Not relevant
14.5 Environmental hazards - MP	No	No
Other informations	Not relevant	Not relevant

**14.6 Special precautions for user:**  
Not relevant.

**14.7 Maritime transport in bulk according to IMO instruments:**  
Not relevant.

## SECTION 15. REGULATORY INFORMATION

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

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances



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Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

**Additional information:** People under the age of 18 must not work with this product cf. Council Directive 94/33/EC.  
Pregnant women must not handle this product.

### 15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

### Full text of H-phrases as mentioned in section 3:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H361d Suspected of damaging the unborn child.

### Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

**Validated by:** SRS

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