

Safety Data Sheet

according to 1907/2006/EC, Article 31


Printing date 30.07.2008

Revision: 30.07.2008

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** MOTIP CAR CARE DE-ICER Trigger
- **Article number:** 000440
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Manufacturer/Supplier:**
MOTIP DUPLI B.V.
Wolfraamweg 2
NL-8471 XC Wolvega
The Netherlands
Tel: +31 (0)561 694400
Fax: +31 (0)561 694411
e-mail info@nl.motipdupli.com
- **Further information obtainable from:** QHSE Department
- **Information in case of emergency:** Tel: +31 (0)561 694400 (08.00 / 17.00)

2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 10 Flammable.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **GHS label elements**

Warning
 2.6/3 - Flammable liquid and vapour.
Warning
 3.1/5 - May be harmful if swallowed.
- **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.
- **Response:**
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Call a POISON CENTER or doctor/physician if you feel unwell.
In case of fire: Use for extinction: CO2, powder or water spray.
- **Storage:**
Store in a well-ventilated place. Keep cool.
- **Disposal:**
Dispose of contents/container in accordance with local/regional/national/international regulations.

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
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3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6	ethanol	 F; R 11 Danger:  2.6/2	25-50%
CAS: 107-21-1 EINECS: 203-473-3	ethanediol	 Xn; R 22 Danger:  3.1.0/3	12.5-20%
CAS: 68891-38-3	Natriumlauryl ethersulfate	 Xi; R 36/38 Warning:  3.2/2, 3.3/2A	2.5-5%

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

anionic surfactants	< 5%
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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.

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· **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.· **Ingredients with limit values that require monitoring at the workplace:**

64-17-5 ethanol

WEL () Long-term value: 1920 mg/m³, 1000 ppm

107-21-1 ethanediol

WEL () Short-term value: 104** mg/m³, 40** ppm
 Long-term value: 10* 52** mg/m³, 20** ppm
 Sk *particulate **vapour

· **Additional information:** The lists valid during the making were used as basis.· **Personal protective equipment:**· **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:** Not required.· **Protection of hands:** Not required.· **Material of gloves:** Not required.· **Penetration time of glove material:** Not required.· **Eye protection:** Goggles recommended during refilling

9 Physical and chemical properties

· General Information

Form: Fluid
Colour: According to product specification
Odour: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.**Boiling point/Boiling range:** Undetermined.· **Flash point:** 23°C (73°F)· **Ignition temperature:** 398°C (748°F)· **Self-igniting:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 3.2 Vol %**Upper:** 53.0 Vol %· **Vapour pressure at 20°C (68°F):** 59 hPa (44 mm Hg)· **Density at 20°C (68°F):** 0.92 g/cm³· **Solubility in / Miscibility with water:** Fully miscible.

· Solvent content:

Organic solvents: 40.0 %

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· LD/LC50 values relevant for classification:

64-17-5 ethanol

Oral	LD50	7060 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
	LC50 / 4 h	20000 mg/m3 (rat)

107-21-1 ethanediol

Oral	LD50	4700 mg/kg (rat)
Dermal	LD50	9530 mg/kg (rabbit)

68891-38-3 Natriumlauryl ethersulfate

Oral	LD50	>2000 mg/kg (rat)
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· Primary irritant effect:

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

· Ecotoxicological effects:

· Aquatic toxicity:

64-17-5 ethanol

EC50 / 24 h	>100 mg/l (daphnia magna)
LC50 / 48 h	9000 mg/l (crustacean (water flea))

107-21-1 ethanediol

EC50	>10000 mg/l (daphnia magna)
LC50 / 96 h (static)	53000 mg/l (fish)

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· Product:

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

07 06 04	other organic solvents, washing liquids and mother liquors
15 01 10	packaging containing residues of or contaminated by dangerous substances

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1170
- **Packaging group:** III
- **Hazard label** 3
- **Description of goods:** 1170 ETHANOL (ETHYL ALCOHOL), mixture

- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1170
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Proper shipping name:** ETHANOL (ETHYL ALCOHOL), mixture

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1170
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** ETHANOL, mixture

- **UN "Model Regulation":** UN1170, ETHANOL (ETHYL ALCOHOL), mixture, 3, III

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Risk phrases:**
10 Flammable.
- **Safety phrases:**
2 Keep out of the reach of children.
23 Do not breathe aerosol.
46 If swallowed, seek medical advice immediately and show this container or label.

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51 Use only in well-ventilated areas.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

- 11 Highly flammable.
- 22 Harmful if swallowed.
- 36/38 Irritating to eyes and skin.

· **Department issuing MSDS: QHSE Department**

· **Contact:**

Mrs. D. Kleistra
Mrs. A. van der Veen

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

· *** Data compared to the previous version altered.**

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