

Material Safety Data Sheet

According to 2001/58 EC

Printing date 08.04.2004

Reviewed on 29.03.2004

1 Identification of substance:

· **Product details:**

· **Trade name:** Kool-ALL 244

· **Application of the substance / the preparation** Coolant/ Cutting solution

· **Manufacturer/Supplier:**

DoALL Europa B.V.
Debijestraat 14

Tel.: +31(0)78-6526060
Fax : +31(0)78-6184085

NL-3316 GE Dordrecht

· **Information department:** DoALL Europa B.V.

Tel.: +31(0)78-6526060

· **Emergency information:** as above

2 Composition/Data on components:

· **Chemical characterization**

· **Description:** Preparation from mineral oil, emulgators and anticorrosifs.

· **Dangerous components:**

alcohol ethoxylates (generic name)	 Xn; R 22-36	2.5-10%
alcohol ethoxilates (generic name)	 Xi; R 38	2.5-10%
alcohol ethoxylates (generic name)	 Xi; R 38	2.5-10%

· **Additional information**

For the wording of the listed risk phrases refer to section 16.

For ingredients without any information about the EG-number we will use a generic name according to RL 1999/45/EG amendment VI.

3 Hazards identification

· **Hazard description:** not applicable

· **Information pertaining to particular dangers for man and environment**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Classification system**

The classification was made according to the latest editions of the EC-lists, and expanded upon from company and literature data.

4 First aid measures

· **General information** No special measures required.

· **After inhalation** Supply fresh air; consult doctor in case of complaints.

· **After skin contact** Rinse with warm water.

· **After eye contact** Rinse opened eye for several minutes under running water.

· **After swallowing** If symptoms persist consult doctor.

5 Fire fighting measures

· **Suitable extinguishing agents**

In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

· **For safety reasons unsuitable extinguishing agents** Water with full jet.

· **Special hazards caused by the material, its products of combustion or resulting gases:**

Sulphur dioxide (SO₂)

Carbon monoxide (CO)

· **Protective equipment:** Mount respiratory protective device.

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· **Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Person-related safety precautions:** Prevent skin and eye contact
- **Measures for environmental protection:** 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).

7 Handling and storage

- **Handling**
- **Information for safe handling:** Prevent skin and eye contact
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Observe all storage regulations
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Storage temperature: 5-40 °C
Protecting from frost and direct sun light.
Original containers to be kept dry and firmly closed.
Under these conditions the product is at least 6 month storable without quality loss.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Avoid close or long term contact with the skin.
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Protective gloves.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**
Nitrile: thrick 0,4 mm, break trough time > 240 min.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
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- **Eye protection:** Safety glasses
- **Body protection:** Protective clothing

9 Physical and chemical properties:

· **General Information**

Form:	Fluid
Colour:	Yellow-brown
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: undetermined

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Boiling point/Boiling range:	undetermined
Flash point:	Not applicable
Self igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Density at 20°C:	0.95 g/cm ³ (DIN 51 757)
Solubility in / Miscibility with Water:	Fully miscible
pH-value (100 g/l) at 20°C:	9.2 (DIN 51 369)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Strong oxidizers
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:**
Carbon monoxide
Sulphur oxides (SO_x)

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Prolonged and/or repeated skin contact may defat skin and possibly cause dermatitis
- **on the eye:** Low, reversible irritation.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

- **General notes:**
Water hazard class 1 (German Regulation 17.05.1999) (Self-assessment): slightly hazardous for water.
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key:** 120109
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

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

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- **Maritime transport IMDG:**
- **IMDG Class:** -

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

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulations

- **Markings according to EU guidelines:**
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
Observe the general safety regulations when handling chemicals
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.
- **National regulations**
- **Water hazard class:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
Observe regulations relating to TRGS 611 - free of amines
Observe national regulations relating to lubricants

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**
22 Harmful if swallowed.
36 Irritating to eyes.
38 Irritating to skin.
- *** Data compared to the previous version altered.**