

# Material Safety Data Sheet

According to 2001/58 EC

Printing date 08.04.2004

Reviewed on 12.01.2004

## 1 Identification of substance:

- **Product details:**

- **Trade name:** AL-2100
- **Application of the substance / the preparation** Lubricating oil

- **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.
- **Emergency information:** as above

Tel.: +31(0)78-6526060

## \* 2 Composition/Data on components:

- **Chemical characterization:**
- **CAS No. Description:**  
Isopropylolcat

## 3 Hazards identification

- **Hazard description:** not applicable
- **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** Wash with plenty of soap and 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:**  
Carbon monoxide (CO)
- **Protective equipment:** Mount respiratory protective device.
- **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 product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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### 7 Handling and storage

- **Handling**
- **Information for safe handling:** do not inhale aerosol / spray
- **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 12 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**  
The usual precautionary measures should be adhered to when handling chemicals.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Protective gloves and protective skin cream.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**  
Nitrile: thick 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.
- **Eye protection:** Not required.
- **Body protection:** Protective clothing

### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellow
<b>Odour:</b>	Characteristic

#### · Change in condition

<b>Melting point/Melting range:</b>	undetermined
<b>Boiling point/Boiling range:</b>	undetermined
<b>Pour point:</b>	-15°C (ISO 3016)

· **Flash point:** 170°C (DIN ISO 2592)

· **Self igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Density at 20°C:** 0.86 g/cm<sup>3</sup>

#### · Solubility in / Miscibility with

**Water:** Not miscible or difficult to mix

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## 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:** No dangerous decomposition products known

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **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.

## 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:** 120107
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

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

## 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
- **National regulations**
- **Water hazard class:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

## 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.
- **\* Data compared to the previous version altered.**