

Material Safety Data Sheet

According to 2001/58 EC

Printing date 15.08.2003

Reviewed on 23.07.2002

1 Identification of substance:

· **Product details:**

· **Trade name:** AL-2100EP

· **Application of the substance / the preparation** Lubricating oil

· **Manufacturer/Supplier:**

DoALL Europa B.V.
Debijestraat 14

Tel.: +31(0)78 652 60 60

Fax : +31(0)78 618 40 85

NL - 3316 GE Dordrecht

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

Tel.: +31(0)78 652 60 60

· **Emergency information:** as above

2 Composition/Data on components:

· **Chemical characterization**

· **Description:** Modified fatty compounds and EP-additives

· **Dangerous components:**

| | | |
|--|--|---------|
| Alcoholethoxilate |  Xi; R 38 | 2.5-10% |
| S-haltiges sterisch gehindertes Phenol-Derivat | R 53 | < 2.5% |

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)

Sulphur dioxide (SO₂)

· **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

(Contd. on page 2)

Material Safety Data Sheet

According to 2001/58 EC

Printing date 15.08.2003

Reviewed on 23.07.2002

Trade name: AL-2100EP

(Contd. of page 1)

- **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).

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:** Protect from frost and direct sunlight.

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 through time > 240 min.
The exact break through 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

| | |
|----------------|----------------|
| Form: | Fluid |
| Colour: | Brown |
| Odour: | Characteristic |

· Change in condition

| | |
|-------------------------------------|------------------|
| Melting point/Melting range: | undetermined |
| Boiling point/Boiling range: | undetermined |
| Pour point: | -12°C (ISO 3016) |

· **Flash point:** 200°C (DIN ISO 2592)

· **Selfigniting:** Product is not selfigniting.

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

(Contd. on page 3)

Material Safety Data Sheet

According to 2001/58 EC

Printing date 15.08.2003

Reviewed on 23.07.2002

Trade name: AL-2100EP

(Contd. of page 2)

- | | |
|--|----------------------------------|
| · Density at 20°C: | 0.98 g/cm ³ |
| · Solubility in / Miscibility with Water: | Not miscible or difficult to mix |

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:**
Sulphur oxides (SO_x)
Phosphorus oxides (e.g. P₂O₅)

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

14 Transport information

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

GB

(Contd. on page 4)

Material Safety Data Sheet

According to 2001/58 EC

Printing date 15.08.2003

Reviewed on 23.07.2002

Trade name: AL-2100EP

(Contd. of page 3)

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.

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

38 Irritating to skin.

53 May cause long-term adverse effects in the aquatic environment.

GB