



ALM 4 STROKE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 28/10/2013

Revision date:

Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : ALM 4 STROKE
Product code : ALM OL006 & OL204

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

THIS PRODUCT MUST NOT BE USED IN APPLICATIONS OTHER THAN THOSE RECOMMENDED IN SECTION 1.2.1, WITHOUT FIRST SEEKING THE ADVICE OF THE SUPPLIER.

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ALM MANUFACTURING LTD
St James Business Park
HG5 8PJ Knaresborough - UK
T 01423 797208
www.almmanufacturing.com

1.4. Emergency telephone number

Emergency number : 01423 797208

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

Adverse physicochemical, human health and environmental effects

Not expected to present a significant hazard under anticipated conditions of normal use.

2.2. Label elements

Labelling according to Directive 67/548/EEC or 1999/45/EC

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

ALM 4 STROKE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Reactivity : No reactivity hazard other than the effects described in sub-sections below.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : 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

6.1.1. For non-emergency personnel

Protective equipment : Avoid contact with skin and eyes.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Store in original container. Protect from moisture. Keep cool.

Incompatible products : Oxidizing agent. Strong acids. Strong bases.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 0 - 40 °C

7.3. Specific end use(s)

Lubricant oil.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ALM 4 STROKE

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| ACGIH TWA (mg/m ³) | 5 mg/m ³ Refined mineral oil, mist |
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8.2. Exposure controls

Appropriate engineering controls : Ensure exposure is below occupational exposure limits (where available).

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : In case of repeated or prolonged contact wear gloves. Standard EN 374 - Protective gloves against chemicals. Wear protective gloves.

Eye protection : If there is a risk of liquid being splashed : Chemical goggles or safety glasses. Standard EN 166 - Personal eye-protection.

ALM 4 STROKE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

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| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | : In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask. |
| Thermal hazard protection | : Not specifically applicable. |
| Environmental exposure controls | : SECTION 6. |
| Other information | : Do not eat, drink or smoke during use. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--------------------------------------------|----------------------------------------------------------|
| Physical state | : Liquid |
| Appearance | : Mobile liquid. |
| Colour | : amber. |
| Odour | : characteristic. |
| Odour threshold | : No data available |
| pH | : Not classified |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : > 280 °C IBP |
| Flash point | : > 210 °C PMCC |
| Self ignition temperature | : > 320 °C |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Non flammable |
| Vapour pressure | : < 0.5 kPa @ 20°C |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : 0.87 kg/l @ 15°C |
| Solubility | : Insoluble in water. Soluble in aliphatic hydrocarbons. |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic | : 90 cSt @40°C |
| Viscosity, dynamic | : No data available |
| Explosive properties | : Not classified. |
| Oxidising properties | : Not classified. |
| Explosive limits | : No data available |

9.2. Other information

| | |
|-------------|-------|
| VOC content | : 0 % |
|-------------|-------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity hazard other than the effects described in sub-sections below.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

May react violently with oxidants.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
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| Acute toxicity | : Not classified |
| Irritation | : Not classified |
| | pH: Not classified |

ALM 4 STROKE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

| | |
|-----------------------------------------------------|---------------------------------------------------------------------|
| Corrosivity | : Not classified pH: Not classified |
| Sensitisation | : Not classified |
| Repeated dose toxicity | : Not classified |
| Carcinogenicity | : Not classified |
| Mutagenicity | : Not classified |
| Toxicity for reproduction | : Not classified |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

ALM 4 STROKE

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| Persistence and degradability | Not readily biodegradable. |
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12.3. Bioaccumulative potential

ALM 4 STROKE

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| Bioaccumulative potential | Low bioaccumulation potential. |
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

ALM 4 STROKE

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| Results of PBT assessment | Not classified as PBT or vPvB. |
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12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

No dangerous good in sense of transport regulations

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

ALM 4 STROKE

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

VOC content : 0 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

SDS EU Reach II Rock

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