

ALUDUR LA 15 n.I.

Version 1.0 Revision Date: 03/27/2018 SDS Number: 102000025732 Date of last issue: -
Date of first issue: 03/27/2018

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ALUDUR LA 15 n.I.

Product code : 059901DA001

Manufacturer or supplier's details

Company name of supplier : ECKART GmbH

Address : Guentersthal 4
Hartenstein 91235

Telephone : +499152770

Telefax : +499152777008

Emergency telephone : CHEMTREC: 800-424-9300
CHEMTREC: 1-703-527-3387 (International)

GBK Gefahrgut Buero GmbH, Ingelheim, Germany:
From outside US: (001) 352-323-3500
(First call in English, response in your language is possible)
US & Canada (toll free):1-800-5355-053

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Specific target organ systemic toxicity - repeated exposure : Category 2 (Kidney)

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H373 May cause damage to organs (Kidney) through prolonged or repeated exposure.

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Precautionary Statements :

Prevention:
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

Response:
P314 Get medical advice/ attention if you feel unwell.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label:

Phosphonic acid, P-octyl-

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

| Chemical name | CAS-No. | Concentration (% w/w) |
|--|------------|-----------------------|
| Aluminum | 7429-90-5 | >= 70 -< 90 |
| Fatty acids, C14-18 and C16-18-unsatd. | 67701-06-8 | >= 1 -< 5 |
| Phosphonic acid, P-octyl- | 4724-48-5 | >= 1 -< 3 |

SECTION 4. FIRST AID MEASURES

General advice : Take the victim into fresh air.
No hazards which require special first aid measures.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with soap and plenty of water.

In case of eye contact : Remove contact lenses.
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.

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Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : May cause damage to organs through prolonged or repeated exposure.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Dry sand
Special powder against metal fire

Unsuitable extinguishing media : ABC powder
Carbon dioxide (CO₂)
Water
Foam

Specific hazards during fire fighting : Contact with water liberates extremely flammable gas (hydrogen).

Specific extinguishing methods : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Evacuate personnel to safe areas.
Avoid dust formation.

Methods and materials for containment and cleaning up : Use mechanical handling equipment.
Do not use a vacuum cleaner.

Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Do not flush with water.
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against : Provide appropriate exhaust ventilation at places where dust

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fire and explosion is formed.

Advice on safe handling : Avoid dust formation.
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
Store away from heat.

For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Hygiene measures : General industrial hygiene practice.

Conditions for safe storage : Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Do not store together with oxidizing and self-igniting products.
Never allow product to get in contact with water during storage.
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

| Ingredients | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-------------|-----------|-------------------------------|--|--------|
| Aluminum | 7429-90-5 | LMPE-PPT | 10 mg/m ³ | MX OEL |
| | | LMPE-PPT (Dust) | 10 mg/m ³ | MX OEL |
| | | TWA (Respirable fraction) | 1 mg/m ³ | ACGIH |
| | | TWA (Respirable fraction) | 1 mg/m ³ (Aluminum) | ACGIH |

Personal protective equipment

Respiratory protection : Use suitable breathing protection if workplace concentration

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requires.
Breathing apparatus with filter.
P1 filter

No personal respiratory protective equipment normally required.

Hand protection
Material : Protective gloves

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The exact break through time can be obtained from the protective glove producer and this has to be observed.

Eye protection : Safety glasses

Skin and body protection : Long sleeved clothing

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---------------------------------|
| Appearance | : pellets |
| Color | : silver |
| Odor | : odorless |
| Odor Threshold | : No data available |
| pH | : No data available |
| Melting point/freezing point | : No data available |
| Initial boiling point and boiling range | : No data available |
| Flash point | : Not applicable |
| Evaporation rate | : No data available |
| Flammability (solid, gas) | : The product is not flammable. |
| Auto-flammability | : not auto-flammable |
| Upper explosion limit / Upper flammability limit | : No data available |
| Lower explosion limit / Lower flammability limit | : No data available |
| Vapor pressure | : No data available |
| Relative density | : No data available |
| Density | : 2.7 g/cm ³ |

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| Solubility(ies) | |
| Water solubility | : insoluble |
| Partition coefficient: n-octanol/water | : No data available |
| Autoignition temperature | : > 600 °C |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Reactivity | : No decomposition if stored and applied as directed. |
| Chemical stability | : No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : Contact with acids and alkalis may release hydrogen. Stable under recommended storage conditions. Dust may form explosive mixture in air. |
| Conditions to avoid | : No data available |
| Incompatible materials | : Acids Bases Oxidizing agents Water |

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Ingredients:**Fatty acids, C14-18 and C16-18-unsatd.:**

| | |
|---------------------------|---|
| Acute oral toxicity | : LD50 (Rat): > 5,000 mg/kg |
| Acute inhalation toxicity | : LC50 (Rat): > 46 mg/l Exposure time: 1 h Test atmosphere: dust/mist |
| Acute dermal toxicity | : LD50 (Rabbit): > 3,160 mg/kg |

Phosphonic acid, P-octyl-:

| | |
|---------------------|----------------------------|
| Acute oral toxicity | : (Rat): 500 - 2,000 mg/kg |
|---------------------|----------------------------|

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Skin corrosion/irritation

Not classified based on available information.

Ingredients:

Phosphonic acid, P-octyl-:

Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Not classified based on available information.

Ingredients:

Phosphonic acid, P-octyl-:

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

May cause damage to organs (Kidney) through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

Further information

Ingredients:

Fatty acids, C14-18 and C16-18-unsatd.:

Remarks: No data available

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Phosphonic acid, P-octyl-:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Other adverse effects

No data available

Ingredients:**Fatty acids, C14-18 and C16-18-unsatd.:**

Additional ecological information : No data available

Phosphonic acid, P-octyl-:

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : In accordance with local and national regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION**International Regulations**

Remarks : Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

Domestic regulation**Special precautions for user**

Remarks : Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Federal Law for the control of chemical precursors, : Not applicable
essential chemical products and machinery for
producing capsules, tablets and pills.

The ingredients of this product are reported in the following inventories:

DSL : This product contains one or several components listed in the
Canadian NDSL.

TSCA : On TSCA Inventory

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

MX OEL : Mexico. Occupational Exposure Limits

ACGIH / TWA : 8-hour, time-weighted average

MX OEL / LMPE-PPT : Time weighted average

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population

SAFETY DATA SHEET



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(Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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