

# SAFETY DATA SHEET

## ALD - 7100 (BOOSTREX)

Substance No. : 000000519111

Printing Date : 7/02/2017

### 1. PRODUCT AND COMPANY INFORMATION

Chemical identification: **ALD - 7100 (BOOSTREX)**  
Company name : BOOSTREX  
Address : Kyunsung Bld. 4<sup>th</sup> FL. Sungnae-Ro 85, Kandong-Gu, Seoul, Korea  
Telephone : +82-2-483-3082 (Emergency Call)  
FAX : +82-2-483-3083

### 2. CHEMICAL COMPOSITION – INGREDIENTS INFORMATION

Chemical name	Chemical formular	wt %	CAS No.
Poly-Methyl Amine Silicon Compound	Confidential	> 95%	67829000004-663P

### 3. HAZARDS IDENTIFICATION

#### NFPA Classification

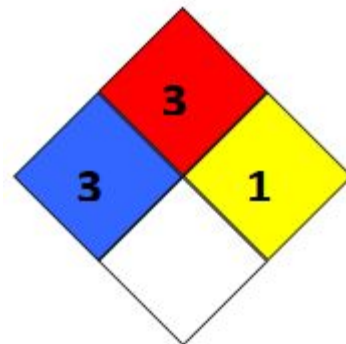
Health hazard	3	Moderate
Fire hazard	3	Moderate
Reactivity hazard	1	Slight
Special hazard	None	

#### HMIS Classification

Health hazard	3	Moderate
Fire hazard	3	Moderate
Reactivity hazard	1	Slight
Special hazard	None	

#### OSHA Hazards

Highly Flammability Liquid and Vapor  
Harmful by Ingestion  
Corrosive to eyes



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Corrosive to skin

Physicochemical hazards : May produce combustible mixed gas of vapor and air at more than 30°C

Environmental hazards : Not available

Chronic toxicity / Carcinogenicity : Not available

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### 4. GHS-CLASSIFICATION

Hazard Category, Hazard Class : Acute toxicity, Category 4, Oral

Hazard Category, Hazard Class : Acute toxicity, Category 4, Dermal

Hazard Category, Hazard Class : Skin Corrosion, Category 1

Hazard Category, Hazard Class : Serious eye damage, Category 1

Labellings

Symbol(s) :



Signal Word :

Danger

Hazard statements : Extremely flammable liquid and vapor

Harmful if swallowed or in contact with skin

Causes severe skin burns or eye damage.

Precautionary statements : **Prevention** : Keep away from heat / sparks / open flames /

Hot surfaces - No smoking

Use explosion - proof electrical/ventilating/lighting/equipment.

Take precautionary measures against static discharge.

Use only non - sparking tools.

Wear protective gloves/protective clothing/eye protection/face Protection

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**Response** : IF SWALLOWED : Rinse mouth. DO NOT induce Vomiting. Call an emergency center or doctor/physician.

IF ON SKIN(or hair) : Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES : Rinse cautiously with water for several times. Remove contact lenses, if present and easy to do, Continue Rinsing . Immediately call an emergency center or doctor/physician. In case of fire : Use dry sand, dry chemical or alcohol - resistant foam for extinction

**Storage** :

Store in a well - ventilated place. Keep cool.

Store in a closed container.

**Disposal** :

Dispose of contents/container to an approved wastes disposal

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### 5. FIRST AID PROCEDURES

Inhalation : Take to fresh air. Give artificial respiration if needed.

Skin contact : Wash with soap, rinse with water, seek medical attention.

Eye contact : Irrigate with pure water for 3 minutes, then seek medical attention.

Ingestion : DO NOT Induce vomiting. Wash inside mouth and contact a physician

Others : Remove soaked clothing immediately.

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### 6. FIRE - FIGHTING PROCEDURES

Specific hazards : Toxic fume of CO, CO<sub>2</sub> and NO<sub>x</sub> occur at more than 315°C.

Extinguishing media : Water fog, carbon dioxide, dry chemical and foam

Protective equipment : Wear full fire-fighting turn-out gear (full bunker gear) and respiratory protection (self-contained breathing apparatus).

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### 7. ACCIDENTAL RELEASE PROCEDURES

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Personal precautions : In case of spill or leak, the nearby ignition sources must be removed rapidly.

Environmental precautions : Prevent the material from leaking out by sand or sandbags enclosure.

Methods for cleaning up : Gather up and place into waste container.

In case of small leakage, Wipe up.

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### 8. HANDLING AT STORAGE

Handling : No fire. Use respirator with suitable filter for organic solvent. Adequate ventilation is always necessary. Remove solvent gasses with local exhaust at handling and drying. Use work gloves and safety goggles with side shields.

Storage : Store in dark and Cool| place. (less than 20degC)

Specific use : This product is for industrial use only. If your company uses for medical and other special use which you must take safety into consideration, determination of suitability and safety of the finished product shall be the responsibility of your company.

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### 9. EXPOSURE CONTROL / INDIVISUAL PROTECTION

Exposure limit values : Not established

Exposure controls

Engineering controls : Adequate ventilation is always necessary.

Occupational exposure controls

Respiratory protection : Self-contained breathing apparatus

Hand protection : Chemical resistant gloves

Eye protection : Safety goggles with side shields

Skin protection : Protective clothes

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### 10. PHYSICAL AND CHEMICAL PROPERTIES

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### General information

Appearance : Clear Liquid

Odor : ether smell

Important health, safety and environmental information

Boiling point / boiling range : 80°C

Flash point : 29°C (Di Buthyl Ether)

Relative density: 0.82

Solubility solubility : Insoluble

Viscosity : 10-15cps (30°C)

### Other information

Melting point / melting range : -25°C

Auto-ignition temperature : 150°C

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## 11. STABILITY AND REACTIVITY

Stability : Stable at normal temperature and pressure.

Conditions to avoid : Not available.

Materials to avoid : Strong acids and bases

Hazardous decomposition products : CO, CO<sub>2</sub> and NO<sub>x</sub>

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## 12. TOXICOLOGICAL INFORMATION

DATA for ALD-7100

Sub - acute to chronic toxicity :

28 – day repeated dose toxicity : NOEL = 200mg/kg/day

Mutagenicity :

Ames test : Negative

Chromosome aberration test : Poly-Methyl Amine Silicon Compound

Acute Toxicity :

LD<sub>50</sub> = 1820mg/kg (oral-mouset)

LD<sub>50</sub> = 500mg/kg (skin-rabbit/24h)

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### 13. ECOLOGICAL INFORMATION

Poly – Methyl Amine Silicon Compound

Persistence and degradability : Not biodegradable

Bioaccumulative potential : 96hrs LC50 > 100mg/L

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### 14. DISPOSAL CONSIDERATIONS

Comply with all EU, national and local regulations.

Do not dump this material into sewers, on the ground or into any body of water

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### 15. TRANSPORTATION INFORMATION

Maritime transport IMDG : UN No. 2924, CLASS 3, Labels 3(8) FLAMMABLE LIQUID  
CORROSIVE N.O.S, (Poly-Methyl Amine Silicon Compound)

Marine Pollutant : No, Environmentally Hazard : No

Air transport ICAO / IATA : UN No. 2924, CLASS 3, Labels 3(8), Packing Group II

PASSANGER AIRCRAFT SHIPMENT OF CLASS

CONATINERS > 1L NOT PERMITTED. CARGO AIRCRAFT

ONLY !, CARGO AIR CRAFT SHIPMENT CLASS > 2.5L NOT

PERMITTED. CARGO AIRCRAFT SHIPMENT OF METAL

METAL CONATINERS WITH > 5L NOT PERMITTED

Land transport ADR / RID : UN No. 2924 (Flammable, Level 3)

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### 16. REGULATORY INFORMATION

EC hazard symbol : [Xi] Irritant

EC risk and safety phrases : R36 (Irritating to eyes) R10 (flammable)

R38 (Irritating to skin)

S2 (Keep out of reach of children)

S41 (In case of fire and/or explosion, do not breathe fumes)

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Please refer to any other regulations of each country.

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### **17. OTHER INFORMATION**

This Material Safety Data Sheet complements, but does not replace, our Technical Data Sheet. The information is provided by way of a guide to the use of our product and is correct to the best of knowledge.

However, neither Advanced Chem. Tech. nor its subsidiaries can offer any guarantee as to its accuracy or exhaustiveness. All chemicals may present unforeseen risks and should be used with caution.

We cannot guarantee that the risks referred to above are the only risks present. The final choice of the application of a product is thus the sole responsibility of the users.

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