



Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/20/2010

Reviewed on 01/19/2010

1 Identification of substance

- **Product details**
- **Trade name:** ALT Primer POX 100 - component B
- **Article number:** 122-000-005-u
- **Application of the substance / the preparation** Hardening agent/ Curing agent
- **Manufacturer/Supplier:**
ALT Global, LLC
3 Edison Place,
Fairfield, NJ 07004 USA
Tel: 973-287-6158
Fax: 973-287-6159
- **Information department:** Tel.: 973-287-6158
- **Emergency information:**
For Chemical Emergency
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night

DOMESTIC NORTH AMERIKA 800-424-9300
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

100-51-6	Benzyl alcohol	25-50%
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	25-50%

3 Hazards identification

- **Hazard description:**



Corrosive

- **Information pertaining to particular dangers for man and environment:**
The product has to be labelled due to the calculation procedure of international guidelines.
Harmful by inhalation, in contact with skin and if swallowed.
Causes burns.
May cause sensitisation by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 3
Fire = 1
Reactivity = 1

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	3	Health = 3
FIRE	1	Fire = 1
REACTIVITY	1	Reactivity = 1

4 First aid measures

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.

5 Fire fighting measures

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

Use fire fighting measures that suit the environment.

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

· **Person-related safety precautions:**

Keep people at a distance and stay upwind.

Wear protective equipment. Keep unprotected persons away.

· **Measures for environmental protection:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

· **Handling:**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** No special measures required.

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- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Provide floor trough without outlet.
Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store receptacle in a well ventilated area.

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:**

100-51-6 Benzyl alcohol

WEEL 44 mg/m³, 10 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

- **Breathing equipment:**

Short term filter device:
Filter AX

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**

Plastic gloves
To minimize the wetness in the glove due to perspiration changing of gloves during a shift is required.
Check the permeability prior to each anewed use of the glove.
Preventive skin protection by use of skin-protecting agents is recommended.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material: ≥ 0.5 mm

Nitrile rubber, NBR

PVC gloves

- **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

· General Information

Form: Fluid
 Color: Light yellow
 Odor: Amine-like

· Change in condition

Melting point/Melting range: Undetermined.
 Boiling point/Boiling range: >200°C (>392°F)

· Flash point: 101°C (214°F)

· Ignition temperature: 380°C (716°F)

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower: 1.3 Vol %
 Upper: 13.0 Vol %

· Vapor pressure at 20°C (68°F): 0.3 hPa

· Density at 20°C (68°F): 0.99 g/cm³

· Solubility in / Miscibility with

Water: Partly miscible.

· pH-value (20 g/l) at 20°C (68°F): 10

· Viscosity:

Dynamic at 20°C (68°F): 15-25 mPas

· Solvent content:

Organic solvents: 0.0 %

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions Reacts with acids.
- Dangerous products of decomposition: No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

100-51-6 Benzyl alcohol

Oral	LD50	1230 mg/kg (rat)
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Dermal	LD50	2000 mg/kg (rabbit)
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2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral	LD50	1030 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Corrosive
Irritant
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

- **Ecotoxicological effects:**

- **Acquatic toxicity:**

100-51-6 Benzyl alcohol

EC50/96h	400 mg/l (daphnia)
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LC50/48h	646 mg/l (Leuciscus idus melanotus)
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LC50/96h	640 mg/l (alge)
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2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

EC50/24h	44 mg/l (daphnia)
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EC50/72h	37 mg/l (alge)
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- **Remark:** Harmful to fish
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Harmful to aquatic organisms

13 Disposal considerations

- **Product:**
- **Recommendation:**
After prior treatment product has to be landfilled adhering to the regulations pertaining to the disposal of particularly hazardous waste.
- **Uncleaned packagings:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
Disposal must be made according to official regulations.

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14 Transport information

· DOT regulations:



- Hazard class: 8
- Identification number: UN2735
- Packing group: III
- Proper shipping name (technical name): POLYAMINES, LIQUID, CORROSIVE, N.O.S., solution
- Label: 8

· Land transport ADR/RID (cross-border):



- ADR/RID class: 8 Corrosive substances
- Danger code (Kemler): 80
- UN-Number: 2735
- Packaging group: III
- Label: 8
- Description of goods: 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S., solution

· Maritime transport IMDG:



- IMDG Class: 8
- UN Number: 2735
- Label: 8
- Packaging group: III
- EMS Number: F-A,S-B
- Marine pollutant: No
- Proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S., solution

· Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 8
- UN/ID Number: 2735
- Label: 8
- Packaging group: III
- Proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S., solution

15 Regulations

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

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· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Corrosive

· **Hazard-determining components of labelling:**

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Benzyl alcohol

· **Risk phrases:**

Harmful by inhalation, in contact with skin and if swallowed.

Causes burns.

May cause sensitisation by skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Avoid release to the environment. Refer to special instructions/safety data sheets.

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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.

- **Department issuing MSDS:** Division product safety
- **Contact:** Division product safety
- *** Data compared to the previous version altered.**

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