

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**1.1 Product Identifier**

AC•Tech OBS-D

1.2 Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Chemical product for construction and industry

1.3 Details of the supplier of the safety data sheet

Manufacturer: Allied Construction Technologies, Inc. Phone:(757)-855-5100
3302 Croft Street Email: Team@actechperforms.com
Norfolk, VA 23513

Emergency Phone: US & Canada International
Infotrac: (800) 535-5053 Infotrac: 1-352-323-3500
(Contract #104212)

SECTION 2: Hazards Identification**2.1 Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: C - Corrosive

R phrases:

Causes severe burns.

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

2.2 Label Elements**Hazardous components which must be listed on the label**

3-aminomethyl-3,5,5-trimethylcyclohexylamine

2,4,6-Tris-(dimethylaminomethyl)phenol

benzyl alcohol

Signal word: C- Corrosive**Pictograms:** GHS05**Hazard statements**

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special Labeling of Certain Mixtures

Contains (R)-p-mentha-1,8-diene, d-limonene. May produce an allergic reaction.

Additional advice on labeling

The classification as corrosive results from the pH >11,5

NFPA and HMIS Rating

| | | | |
|--------------------|------------|-----------------|--------------------|
| NFPA Rating | Health: 1* | Fire: 1 | Reactivity: 0 |
| HMIS Rating | Health: 1 | Flammability: 1 | Physical Hazard: 0 |

SECTION 3: Composition/Information on Ingredients

3.1 Mixtures

Hazardous Components

| EC No | Chemical name | Quantity |
|--------------|---|----------|
| CAS No | Classification | |
| Index No | GHS classification | |
| REACH No | | |
| | Alkohole, C10-16, ethoxyliert, sulfatiert, Natriumsalz | < 5 % |
| 68585-34-2 | Xi - Irritant R36/38 | |
| | Skin Irrit. 2, Eye Dam. 1; H315 H318 | |
| 270-115-0 | Benzolsulfonsäure, C10-13-Alkylderivate, Natriumsalze | < 5 % |
| 68411-30-3 | Xn - Harmful, Xi - Irritant R22-38-41 | |
| | Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318 | |
| 215-181-3 | caustic potash, potassium hydroxide | < 2 % |
| 1310-58-3 | C - Corrosive, Xn - Harmful R22-35 | |
| 019-002-00-8 | Acute Tox. 4, Skin Corr. 1A; H302 H314 | |
| 227-813-5 | (R)-p-mentha-1,8-diene, d-limonene | < 1 % |
| 5989-27-5 | Xi - Irritant, N - Dangerous for the environment R10-38-43-50-53 | |
| 601-029-00-7 | Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410 | |

For Full text R-,H- and EUH-phrases: see section 16.

Further Information

Contains anionic surfactants < 15%

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General Information

Change contaminated clothing. If you feel unwell due to accidental exposure, seek medical attention immediately.
 (show MSDS if possible)

After inhalation

Move to fresh air and keep warm and rest.

After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Consult an ophthalmologist.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious) . Sip water. Do not induce vomiting.
Immediately get medical attention.

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

- alcohol resistant foam.
- Water spray.
- Carbon dioxide (CO₂).
- dry extinguishing powder.

Unsuitable extinguishing media

- High power water jet.

5.2 Special hazards arising from the substance or mixture

Can be released in case of fire:

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides (NO_x).

5.3 Advise for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. See protective measures under point 7 and 8. Provide adequate ventilation.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Cover drains. Clean contaminated objects and areas thoroughly observing environmental regulations. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Remove mechanically, placing in appropriate containers for disposal.

6.4 References to other sections

Personal protection equipment refer to chapter 8.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Wear protective clothing. Close container tightly once it is no longer in use. Store away from direct sunlight, heat,

spark, fire and other sources of ignition. Empty containers may still contain mixed or unmixed materials, which may be hazardous.

7.2 Storage

Keep in closed, original container. Store container in a cool, dry and ventilated area. Protect from direct sunlight and heat or heating elements. Do not store near spark, fire and other sources of ignition. Keep away from food, beverages and animal feed. Keep away from oxidizing agents. Protect from frost, humidity and heat.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure limites (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|-----------|---------------------|-----|-------------------|-----------|---------------|--------|
| 1310-58-3 | Potassium hydroxide | - | - | - | TWA (8 h) | WEL |
| | | | 2 | | STEL (15 min) | WEL |

8.2 Exposure Controls

OSHA Appropriate Engineering Controls

Use only at enough ventilation. Use closed equipment, local ventilation or other technical control systems for sticking to the limits required by law. The technical facilities have to keep the concentration of gas, vapour and dust below the lower limit of explosion. Use explosion-protected ventilation systems. It has to be referred to the European standard EN 689 for methods of determining the inhalation exposure of chemicals and to the national standards of determining the hazardous chemicals.

Protective and Hygiene Measures

Avoid contact with skin, eye and clothing. Protect skin by using skin protective cream. Take off immediately all contaminated clothing. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work.

Eye/Face Protection

Wear tight-fitting protective goggles required to an assessment of risk.
Suitable eye protection:

- Tightly sealed safety glasses
- Face protection shield

Hand Protection

Wear every time suitable impervious gloves according to standards in case of handling chemicals.

Skin Protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes.)

Respiratory Protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State:

Liquid

Color: Yellow
 Odor: Characteristic
 PH-Value: 12.5

Changes in physical state

Melting point: Not Applicable
 Initial Boiling point and boiling range: > 212 °F
 Flash point: Not Applicable

Explosive Properties

Product is: Not Explosive

Lower explosion limits: Not Applicable
 Upper explosion limits: Not Applicable

Auto-ignition temperature

Solid: Not Applicable
 Gas: Not Applicable
 Density at 73 °F: ~1.033 g/cm³
 Water Solubility: Complete Miscible
 Vapor Density: Not Applicable

SECTION 10: Stability and Reactivity

10.4 Conditions to avoid

No dangerous reactions by handling and stock-keeping according to the guidelines. Eliminate all kinds of ignition sources (sparks, flames). Avoid release into the environment.

10.5 Incompatible materials

- Acid.
- Corrosive to most Metals.

10.6 Hazardous decomposition products

No Decomposition by use according to the guideline.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

| CAS No | Chemical name | | | | |
|------------|---|---------------|-----------|---------|--------|
| | Exposure routes | Method | Dose | Species | Source |
| 68411-30-3 | Benzolsulfonsäure, C10-13-Alkylderivate, Natriumsalze | | | | |
| | oral | ATE | 500 mg/kg | | |
| 1310-58-3 | caustic potash, potassium hydroxide | | | | |
| | oral | LD50 | 273 mg/kg | Rat | RTECS |
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene | | | | |
| | oral | LD50 mg/kg | > 2000 | Rat | |
| | dermal | LD50 mg/kg | > 2000 | Rabbit | IUCLID |

Irritation and corrosivity

Skin contact: Causes burns.

Eye contact: Causes burns.

Sensitizing effects

May cause sensitization by skin contact.

Severe effects after repeated or prolonged exposure

May cause heavy allergic reactions with chronic effects after a sensitization and a later exposure by very low amounts.

SECTION 12: Ecological Information

12.1 Toxicity

Harmful to aquatic organisms. May cause long-term harmful effects on the aquatic environment. Release of big amounts may be harmful to the environment.

| CAS No | Chemical name | | | | | |
|-----------|-------------------------------------|--------|-----------|-----------|---------------------|--------|
| | Aquatic toxicity | Method | Dose | [h] [d] | Species | Source |
| 1310-58-3 | caustic potash, potassium hydroxide | | | | | |
| | Acute fish toxicity | LC50 | 80 mg/l | 96 h | Gambusia affinis | IUCLID |
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene | | | | | |
| | Acute fish toxicity | LC50 | 0,7 mg/l | 96 h | Pimephales promelas | |
| | Acute crustacea toxicity | EC50 | 0,42 mg/l | 48 h | Daphnia magna | |

12.2 Persistence and degradability

Product is partially biodegradable.

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-----------|------------------------------------|---------|
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene | 4,23 |

SECTION 13: Disposal Considerations

13.1 Water Treatment Methods

Advice on disposal

The waste have to be allocated source-related according to the actual disposal guidelines.

Contaminated packaging

Containers emptied of residues have to be recycled. Containers emptied of residues may still contain hazardous residues and containers not emptied should be removed harmlessly according to the actual disposal guidelines.

SECTION 14: Transportation Information

Land transport (ADR/RID)

14.1. UN number: UN 1760

14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (Potassium hydroxide, Trisodium nitrilotriacetate)

14.3. Transport hazard class(es): 8

14.4. Packing group: III

Hazard label: 8
Classification code: C9
Special Provisions: 274
Limited quantity: 5 L
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Other applicable information (land transport)

E1

Inland waterways transport (ADN)

14.1. UN number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (Potassium hydroxide, Trisodium nitrilotriacetate)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8
Classification code: C9
Special Provisions: 274
Limited quantity: 5 L

Other applicable information (inland waterways transport)

E1

Marine transport (IMDG)

14.1. UN number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (Potassium hydroxide, Trisodium nitrilotriacetate)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8
Marine pollutant: no
Special Provisions: 223, 274
Limited quantity: 5 L
EmS: F-A, S-B

Other applicable information (marine transport)

E1

Air transport (ICAO)

14.1. UN number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (Potassium hydroxide, Trisodium nitrilotriacetate)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8
Special Provisions: A3 A803
Limited quantity Passenger: 1 L
IATA-packing instructions - Passenger: 852

IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 856
IATA-max. quantity -Cargo: 60 L

Other applicable information (air transport)

E1

Passenger-LQ: Y841

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory Information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other Information**Relevant R-phrases (Number and full text)**

| | |
|-------|---|
| 10 | Flammable. |
| 22 | Harmful if swallowed. |
| 35 | Causes severe burns. |
| 36/38 | Irritating to eyes and skin. |
| 38 | Irritating to skin. |
| 41 | Risk of serious damage to eyes. |
| 43 | May cause sensitization by skin contact. |
| 50 | Very toxic to aquatic organisms. |
| 52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 53 | May cause long-term adverse effects in the aquatic environment. |

Full text of H statements referred to under Sections 2 and 3

| | |
|------|---|
| H226 | Flammable liquid and vapor. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Further Information

To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.