

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:

May cause burns on sensitive skin with prolonged contact.

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**

H315 Causes skin irritation.
H319 Causes serious eye irritation.
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

If sensitive to material, change contaminated clothing. If you feel unwell due to accidental exposure, take affected individuals to fresh air. If symptoms require, seek medical attention. (show MSDS if possible)

After inhalation

If sensitive to fumes, move to fresh air.

After prolonged contact with skin

After contact with skin, remove contaminated clothing, and wash affected areas 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 if symptoms require.

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 as required. 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 and equipment as required. Close container tightly once it is no longer in use. Store away from direct sunlight and heat sources.

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	-	2	-	TWA (8 h) STEL (15 min)	WEL WEL

8.2 Exposure Controls

OSHA Appropriate Engineering Controls

Provide ventilation as required by any internal, local, state, and/or federal regulations and requirements.

Protective and Hygiene Measures

Avoid prolonged contact with skin, eyes, and clothing. Protect skin by using skin protective cream. If sensitivity develops, take off all contaminated clothing and rinse affected areas with fresh water and soap as required. If sensitivity and irritations continue, remove individual from handling material.

Eye/Face Protection

Wear tight-fitting protective goggles or safety glasses/shield as required for an assessment of risk.

Hand Protection

Wear suitable rubber 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 sensitive to vapors, or if sensitivity develops, wear appropriate / approved protective breathing apparatus.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State:	Liquid
Color:	Yellow
Odor:	Characteristic
PH-Value:	>11.5
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. Do not store in direct sunlight and keep away from any heat sources. Avoid release into the environment.

10.5 Incompatible materials

-Acid.

-Corrosive to most metals after prolonged contact.

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

Prolonged skin contact: May cause burns.

Eye contact: May cause burns.

Sensitizing effects

May cause sensitization by skin contact.

Severe effects after repeated or prolonged exposure

May cause allergic reactions to sensitive individuals.

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

Dispose of excess or waste material according to all internal, local, state, and/or federal guidelines, regulations, and/or requirements.

Contaminated packaging

Containers emptied of residues that are to be recycled must be rinsed of all residual material and the rinse water properly disposed of.

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.
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

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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 SDS 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 SDS 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.