

Last Revised On: 5/31/2012

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: S-11332B1
Description: Bromoacetone in Acetone
Product is: Solution
Other Names: Bromo-2-propanone

Supplied by CHEM SERVICE, Inc. PO BOX 599, WEST CHESTER, PA 19381 (610)-692-3026
EMERGENCY PHONE: 1-610-692-3026

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS: 598-31-2
Description: Bromoacetone Solution
Concentration: 100ug/ml in Acetone
EINECS No: 209-928-2
Hazard Symbols: N/A

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory. All chemicals should be considered hazardous -
Avoid direct physical contact!

For the solvent Acetone:

Can cause severe eye irritation.
May be harmful by inhalation, ingestion, or skin absorption.
Can cause skin irritation. Exposure can cause Dermatitis.
Material is irritating to mucous membranes and upper respiratory tract.
Target Organ - Liver and Kidneys.

CA Proposition 65: Data Not Available

For the minor component Bromoacetone:

CA Proposition 65: Data Not Available.

SECTION 4 - FIRST AID MEASURES

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or trained emergency personnel. Medical advice can be obtained from a POISON CONTROL CENTER.

For the solvent Acetone:

First Aid: In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes. If no burns have occurred-use soap and water to cleanse skin. If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing. If patient has stopped breathing administer artificial respirations. If patient is in cardiac arrest administer CPR. Continue life supporting measures until medical assistance has arrived. If patient is exhibiting signs of shock - Keep warm and quiet.

Contact Poison Control Center immediately if necessary. Do not administer liquids or induce vomiting to an unconscious or convulsing person. If patient is vomiting-watch closely to make sure airway does not become obstructed by vomit. If swallowed, rinse out mouth with water, providing the person is conscious. Get medical attention if necessary. Remove and wash contaminated clothing.

SECTION 5 - FIRE AND EXPLOSION DATA

For the solvent Acetone:

Flash Point: -20°C This is a flammable chemical.
Extinguishing Media: Carbon dioxide, dry chemical powder or appropriate foam.

Part Number: S-11332B1

Upper Explosion Limit: 12.8%
Lower Explosion Limit: 2.6%
Autoignition Temperature: 465°C

NFPA Hazard Rating: Health: 1, Flammability: 3, Reactivity: 0 Special: No Data.
NFPA Scale: 0 - Least, 1 - Slight, 2 - Moderate, 3 - High, 4 - Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area. Absorb on vermiculite or similar material. Sweep up and place in an appropriate container. Hold for disposal.

Wash contaminated surfaces to remove any residue.

Remove contaminated clothing and wash before reuse.

SECTION 7 - HANDLING AND STORAGE

Handling:

This chemical should be handled only in a hood. Eye shields should be worn. Use appropriate OSHA/MSHA approved safety equipment. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling.

Storage:

Store in a cool dry place. Store only with compatible chemicals. Keep tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

For the solvent Acetone:

OSHA PEL (TWA): 1000 ppm (2400 mg/m³)
ACGIH TLV (TWA): 500 ppm (1188 mg/m³)
ACGIH TLV (STEL): 750 ppm (1782 mg/m³)

Personal Protective Equipment

Eyes: Wear Safety Glasses.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to minimize contact with skin.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

For the solvent Acetone:

Color:	Colorless
Phase:	Liquid
Melting Point:	-94.8°C
Boiling Point:	56.5°C
Specific Gravity:	0.791g/ml
Vapor Pressure:	30.7969kPa @ 25°C
Vapor Density:	2
Solubility in Water:	Completely miscible.
Odor:	Fruity/Pleasant.
Evaporation Rate (Butyl acetate=1):	5.6
Molecular Weight:	58.08
Molecular Formula:	C ₃ H ₆ O

SECTION 10 - STABILITY AND REACTIVITY

For the solvent Acetone:

DANGER: Extremely Flammable! Vapors may travel considerable distance to source of ignition and flash back.

Incompatible with bases. Incompatible with oxidizing agents. Incompatible with reducing agents.
Decomposition liberates toxic fumes. Hazardous combustion or decomposition products include: carbon monoxide and carbon dioxide.

SECTION 11 - TOXICOLOGY INFORMATION

Since this solution contains a very low concentration of active component, the primary hazard is from the solvent.

For the solvent Acetone:

RTECS: AL3150000
Oral Rat or Mouse LD50: 5800mg/kg
Dermal Rat or Mouse LD50: >20000mg/kg
Rat or Mouse LC50 >16000ppm (4h)

Carcinogenicity

OSHA:No IARC:Yes NTP:No ACGIH:No NIOSH:No Other:No

CA Proposition 65: Data Not Available

For the minor component Bromoacetone:

The LD50 for the minor component:

ANALYTE LD50
Bromoacetone 0mg/kg

Carcinogenicity

OSHA:No IARC:No NTP:No ACGIH:No NIOSH:No Other:No

CA Proposition 65: Data Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available
Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with Federal, State and Local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

For the solvent Acetone:

UN Number: UN1090
Class: 3
Packing Group: II
Proper Shipping Name: Acetone

SECTION 15 - REGULATORY INFORMATION

For the solvent Acetone:

European Labeling in Accordance with EC Directives

Hazard Symbols: F

Risk Phrases: R11: Highly Flammable.

Safety Phrases: S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe gas/fumes/vapour/spray.
S33: Take precautionary measures against static discharges.
S9: Keep container in a well ventilated place.

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded MSDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

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