

Invoice: CS262142 PO: P343908

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SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: PS-400

Description: Formetanate hydrochloride

Other Name(s): N,N-Dimethyl-N'-methylaminocarbonyloxyphenylmethanimidamide

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 No.: 23422-53-9

Description: Formetanate hydrochloride

EINECS No.: 245-656-0

Hazard Symbols: T+

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory.

All chemicals should be considered hazardous - Avoid direct physical contact!

May be fatal if absorbed through the skin! May be fatal if inhaled! May be fatal if swallowed!

Possible cholinesterase inhibitor-May cause seizures, nausea, vomiting, airway obstruction and/or increased mucous secretions in the lungs.

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.

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.

Remove and wash contaminated clothing.

If patient is exhibiting signs of shock - Keep warm and quiet.

Contact Poison Control Center immediately if necessary. Induce vomiting if swallowed.

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.

Get medical attention if necessary. ANTIDOTE: Atropine sulfate.

DO NOT USE 2-PAM (Pralidoxime chloride)!

SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point: Not Available

SECTION 5 - FIRE AND EXPLOSION DATA CONTINUED

Extinguishing Media:

Carbon dioxide, dry chemical powder or spray.

Upper Explosion Limit: Not Available

Lower Explosion Limit: Not Available

Autoignition Temperature: Not Available

NFPA Hazard Ratings: Not Available

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area.

Sweep up and place in an appropriate container. Hold for disposal.

Wash contaminated surfaces to remove any residues.

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

OSHA PEL (TWA): Not Available

ACGIH TLV (TWA): Not Available

ACGIH TLV (STEL): Not Available

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 a respirator's use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Color:	colorless
Phase:	Crystalline solid
Melting Point:	200-202d C
Boiling Point:	Not Available
Specific Gravity:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available

Solubility in Water:	Soluble
Odor:	Not Available
Evaporation Rate (Butyl acetate=1):	Not Available
Molecular Weight	257.75
Molecular Formula	C11H15N3O2.ClH

SECTION 10 - STABILITY AND REACTIVITY

May discolor on exposure to air. Decomposes under acidic conditions.

SECTION 11 - TOXICOLOGY INFORMATION

RTECS: FC2800000

Oral Rat or Mouse LD50: 21mg/kg

Dermal Rat or Mouse LD50: N/A

Rat or Mouse LC50: Not Available

Carcinogenicity

OSHA: No

IARC: No

NTP: No

ACGIH: No

NIOSH: No

Other: No

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL: Burn in a chemicals incinerator equipped with an afterburner and scrubber.

SECTION 14 - TRANSPORTATION INFORMATION

UN Number: UN2811

Class: 6.1

Packing Group: II

Proper Shipping Name: Toxic solid, organic, nos*

SECTION 15 - REGULATORY INFORMATION

European Labeling in Accordance with EC Directives

Hazard Symbols: T+

Risk Phrases

R28

Very Toxic if swallowed.

Safety Phrases

S22

Do not breathe dust.

S36/37

Wear suitable protective clothing and gloves.

S45

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

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct on the date it is published 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.

Persons not specifically and properly trained should not handle this chemical or its container. This MSDS is provided without any warranty expressed or implied, including merchantability or fitness for any particular purpose.

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