
SECTION 6—ACCIDENTAL RELEASE MEASURES

PROCEDURE(S) OF PERSONAL PRECAUTION(S): Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves and Chemical safety goggles.

METHODS FOR CLEANING UP: Cover with dry lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

SECTION 7—HANDLING AND STORAGE

Handling: User Exposure: Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

Storage: Suitable: Keep tightly closed.

SECTION 8—EXPOSURE CONTROLS/PPE

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment: Government approved respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

General Hygiene Measures: Wash hands thoroughly after handling. Wash contaminated clothing before use.

SECTION 9—PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties:

Melting Point: 20°C

Boiling Point: 182°C

Flash Point: 320°F, 160°C Method: closed up

Autoignition Temp: 370°C

Explosion Limits in Air:

Lower: 0.9%

Specific Gravity: 1.262

Solubility: Water -Z26130

Vapor Pressure: < 1 MMHG @ 20°C

Vapor Density: 3.1 G/L

PH: 5.5–8.0

SECTION 10—STABILITY AND REACTIVITY

Stability: Stable

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, sulfur dioxides.

Hazardous Polymerization: Hazardous Polymerization: Will not occur

SECTION 11—TOXICOLOGICAL INFORMATION

Route of exposure:

Skin contact: May cause skin irritation.

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

Eye contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Signs and Symptoms of Exposure: Nausea, headache and vomiting. To the best of our knowledge, the properties have not been thoroughly investigated.

IRRITATION DATA:

SKN-RBT 500 MG/24H MLD

EYE-RBT 126 MG MLD

EYE-RBT 500 MG/24H MLD

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TOXICITY DATA:

ORL-RAT LD50: 12600 MG/KG
IHL-RAT LC50: > 570 MG/M3/1H
IPR-RAT LD50: 4420 MG/KG
SCU-RAT LD50: 100 MG/KG
IVN-RAT LD50: 5566 MG/KG
ORL-MUS LD50: 4090 MG/KG
IPR-MUS LD50: 8700 MG/KG
SCU-MUS LD50: 91 MG/KG
IVN-MUS LD50: 4250 MG/KG
ORL-RBT LD50: 27 GM/KG
SKN-RBT LD50: >10 GM/KG
IVN-RBT LD50: 53 GM/KG
ORL-GPG LD50: 7750 MG/KG

FEPRA7 4, 142, 1945
BIOFX* 9-4/970
RCOCB8 56, 125,1987
NIIRDN 6, 215, 1982
ARZNAD 26,1581,1976
FRZKAP 6), 56, 1977
ARZNAD 28,1579,1978
NIIRDN 6, 215, 1982
JAPMA8 39, 583, 1950
DMDJAP 31, 276,1959
BIOFX* 9-4/970
NIIRDN 6, 215, 1982
JIHTAB 23, 259, 1941

TARGET ORGAN DATA:

Behavioral (headache)
Gastrointestinal (nausea or vomiting)
Kidney, ureter, bladder (changes in tubules)
Kidney, ureter, bladder (changes in urine comp)
Paternal effects (spermatogenesis)
Paternal effects (testes, epididymis, sperm duct)
Effects on fertility (male fertility index)
Effects on fertility (post-implantation mortality)
Only selected registry of toxic effects of chemical substance
(RTECS) data is presented here. See actual entry in RTECS

SECTION 12—ECOLOGICAL INFORMATION

No Data Available.

SECTION 13—DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

SECTION 14—TRANSPORT INFORMATION

DOT

Proper Shipping Name: None
Non-Hazardous for Air Transport: non-hazardous for air transport.

IATA

Non-Hazardous for Air Transport: non-hazardous for air transport.

SECTION 15—REGULATORY INFORMATION

US Classification and Label Text

US Statements: Avoid contact and inhalation.

United States Regulatory Information:

Sara Listed: No

Canada Regulatory Information WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

SECTION 16—OTHER INFORMATION

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. New England Biolabs shall not be held liable for any damage resulting from handling or from contact with the above product.