

#10 Fluka Materials Safety Data Sheet - MSDS 90440

01-31-97 13:43 Colours

(302)427-1204

P.10



Fluka Chemical Corp
980 South Second Street
Parktonville, New York 11779-0238

Phone 516-467-0980
Telex 90-7807
Fax 516-467-0063

ATTN: SAFETY DIRECTOR
GENERAL CHEMISTS
233 CHERRY LANE
NEW CASTLE

DE 19720-2779

EMERGENCY PHONE 1-516-467-3535

DATE 12/18/95
CUST#: 000330
P#: DR1535421

MATERIAL SAFETY DATA SHEET PAGE 1

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG # 33440
NAME TRIETHYLENE GLYCOL MONOBUTYL ETHER

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS # 143-22-6
EC # 205-572-6

SYNONYMS

2-(2-(2-(BUTOXYETHOXY)ETHOXY)ETHANOL * BUTOXYTRIETHYLENE GLYCOL *
BUTOXYTRIGLYCOL * POLY-SOLV TB * TRIETHYLENE GLYCOL 4-BUTYL ETHER *
TRIETHYLENE GLYCOL MONOBUTYL ETHER * TRIGLYCOL MONOBUTYL ETHER * 3,6,
9-TRIOXA-1-TRIDECANOL *

SECTION 3. HAZARDS IDENTIFICATION

LABEL PRECAUTIONARY STATEMENTS

HARMFUL
HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
CAUSES SEVERE IRRITATION.
TARGET ORGAN(S):
FEMALE REPRODUCTIVE SYSTEM
MALE REPRODUCTIVE SYSTEM
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 4. FIRST-AID MEASURES

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES.
ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS
WITH FINGERS.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN IMMEDIATELY.
WASH CONTAMINATED CLOTHING BEFORE REUSE.
DISCARD CONTAMINATED SHOES.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
WATER OR FOAM MAY CAUSE FROTHING.

SPECIAL FIRE FIGHTING PROCEDURES

CONTINUED ON NEXT PAGE

210

Table with 8 columns: Country, Name, Address, Phone, Telex, Fax, and other contact information for various Fluka branches.

JUL-31-97 13:44 Colours

(302)427-1204

P.11



Fluka Chemical Corp
980 South Second Street
Ronkonkoma, New York 11779 7238

Phone 916-467-0880
Telex 98-7407
Fax 916-467-0663

CUST#: 000330
PCIN: DR1535421

M A T E R I A L S A F E T Y D A T A S H E E T

PAGE 2

CATALOG # : 90440
NAME : TRIETHYLENE GLYCOL MONOBUTYL ETHER

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 5. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE - - - - -

REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
USE ONLY IN A CHEMICAL FUME HOOD.
SAFETY SHOWER AND EYE BATH.
FACE SHIELD (8-INCH MINIMUM).
DO NOT BREATHE VAPOR.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
SLIGHT IRRITANT.
HARMFUL LIQUID.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND COLOR
LIQUID.

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

STABILITY
STABLE.

INCOMPATIBILITIES
STRONG BASES
STRONG OXIDIZING AGENTS
ACIDS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:

CONTINUED ON NEXT PAGE

Section	Fluka Chemical Corp	Fluka Chemical Corp	Fluka Chemical Corp	Fluka Chemical Corp	Fluka Chemical Corp	Fluka Chemical Corp	Fluka Chemical Corp
1	Identification	2	Hazardous Properties	3	Composition	4	Flammability
5	Accidental Release Measures	6	Reactivity	7	Stability	8	Exposure Controls/Personal Protection
9	Physical and Chemical Properties	10	Stability and Reactivity	11	Environmental Data	12	Other Information

JUL-31-97 13:44 Colours

(302)427-1204

P.12



Fluka Chemical Corp
980 South Second Street
Parkersburg, New York 11779 7238

Phone 516 467 0980
Telex 98 7807
Fax 516 467-0663

CUST#: 000330
PON: UR1535421

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 3

CATALOG #: 90440
NAME: TRIETHYLENE GLYCOL MONOBUTYL ETHER
CARBON MONOXIDE, CARBON DIOXIDE

HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
CAUSES SEVERE IRRITATION.
HIGH CONCENTRATIONS ARE EXTREMELY DESTRUCTIVE TO TISSUES OF THE MUCOUS
MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING,
WHIZZING, LARYNGITIS, STURTNESS OF BREATH, HEADACHE, NAUSEA AND
VOMITING.
EXPOSURE CAN CAUSE:
TEARING
CONJUNCTIVITIS
INGESTION CAN CAUSE GASTROINTESTINAL DISORDERS, NAUSEA AND VOMITING.

CHRONIC EFFECTS

TARGET ORGAN(S):
- FEMALE REPRODUCTIVE SYSTEM
- MALE REPRODUCTIVE SYSTEM
IN THE MOST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: KJ7450000
ETHANOL, 2-(2-(2-BUTOXYETHOXY)ETHOXY)-

IRRITATION DATA

SKN-RBT 10 MG/24H OPEN MLD AIHAAP 23,95,62
SKN-RBT 500 MG/24H MLD 85JCAE -,641,86
EYE-RBT 50 MG 9EY UCUS** 4726/65
EYE-RBT 20 MG/24H MLD 85JCAE -,641,86

TOXICITY DATA

DPL-RAT LD50: 9300 MG/KG TSCAT# UTS 206801
SKN-RBT LD50: 3540 UL/KG AIHAAP 23,95,62
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

CONTINUED ON NEXT PAGE

Table with 8 columns: Name, Synonyms, Molecular Weight, Boiling Point, Melting Point, Density, Vapor Pressure, and Flash Point. The table contains chemical data for the substance.

