



SynQuest Laboratories, Inc.
PO Box 309, Alachua, FL 32616-0309
Tel. 386/462-0788; FAX 386/462-7097

Material Safety Data Sheet

Transportation Emergency: 1-800-451-8346

Date last revised: September 19, 2006

Date printed: September 19, 2006

SECTION 1. ----- CHEMICAL IDENTIFICATION-----

CATALOG #: 1800-7-12

NAME: 2-(TRIFLUOROMETHYL)BENZYL CHLORIDE

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CAS #: 21742-00-7

MF: C₈H₆ClF₃ = 194.58

SECTION 3. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENTS

CORROSIVE.

CAUSES BURNS. IRRITATING TO EYES AND RESPIRATORY SYSTEM.

COMBUSTIBLE. LACHRYMATOR.

SECTION 4. ----- FIRST-AID MEASURES-----

ORAL EXPOSURE

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

INHALATION EXPOSURE

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

EYE EXPOSURE

ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

CONDITIONS OF FLAMMABILITY

WATER HYDROLYZES MATERIAL LIBERATING ACIDIC GAS WHICH IN CONTACT WITH METAL SURFACES CAN GENERATE FLAMMABLE AND/OR EXPLOSIVE HYDROGEN GAS.

FLASH POINT

158 °F / 70 °C METHOD: CLOSED CUP

EXTINGUISHING MEDIA

SUITABLE: CARBON DIOXIDE, DRY CHEMICAL POWDER, OR APPROPRIATE FOAM.

UNSUITABLE: DO NOT USE WATER.

FIREFIGHTING

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

SPECIFIC HAZARD(S): EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

EXPOSURE HAZARD(S)

MATERIAL: CORROSIVE. LACHRYMATOR.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL

EVACUATE AREA.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS, AND HEAVY RUBBER GLOVES.

METHODS FOR CLEANING UP

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-----

HANDLING

USER EXPOSURE: DO NOT BREATHE VAPOR. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE.

STORAGE

SUITABLE: KEEP TIGHTLY CLOSED. KEEP AWAY FROM HEAT AND OPEN FLAME. STORE IN A COOL DRY PLACE.

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

ENGINEERING CONTROLS

USE ONLY IN A CHEMICAL FUME HOOD. SAFETY SHOWER AND EYE BATH.

PERSONAL PROTECTIVE EQUIPMENT

OTHER: WEAR APPROPRIATE GOVERNMENT APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING. FACESHIELD (8-INCH MINIMUM).

GENERAL HYGIENE MEASURES

DISCARD CONTAMINATED CLOTHING AND SHOES. WASH THOROUGHLY AFTER HANDLING.

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

APPEARANCE AND ODOR

COLORLESS LIQUID

PHYSICAL PROPERTIES

BOILING POINT: 67 – 68 °C @ 12 mmHg
DENSITY: 1.337 g/cm³
FLASH POINT: 158 °F / 70 °C METHOD: CLOSED CUP
REFRACTIVE INDEX: 1.469

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

STABILITY

CONDITIONS TO AVOID: MOISTURE.

MATERIALS TO AVOID: BASES, ALCOHOLS, AMINES, OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE,
HYDROGEN CHLORIDE GAS, HYDROGEN FLUORIDE.

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

ROUTE OF EXPOSURE

MULTIPLE ROUTES: HARMFUL IF SWALLOWED, INHALED, OR ABSORBED
THROUGH SKIN. CAUSES BURNS.

SIGNS AND SYMPTOMS OF EXPOSURE

SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING,
WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA, AND
VOMITING. INHALATION MAY RESULT IN SPASM, INFLAMMATION AND EDEMA
OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS, AND PULMONARY
EDEMA. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS
MEMBRANES AND UPPER RESPIRATORY TRACT, EYES, AND SKIN.

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

DATA NOT YET AVAILABLE.

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

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

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: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
UN#: 3265
CLASS: 8
PACKING GROUP: PACKING GROUP II
HAZARD LABEL: CORROSIVE
PIH: NOT PIH

IATA

PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
IATA UN NUMBER: 3265
HAZARD CLASS: 8
PACKING GROUP: II

SECTION 15. ----- REGULATORY INFORMATION -----

EU ADDITIONAL CLASSIFICATION

SYMBOL OF DANGER: C
INDICATION OF DANGER: CORROSIVE.
R: 34-36/37
RISK STATEMENTS: CAUSES BURNS. IRRITATING TO EYES AND
RESPIRATORY SYSTEM.
S: 23-26-27-36/37/39-45
SAFETY STATEMENTS: DO NOT BREATHE VAPOR. IN CASE OF CONTACT WITH
EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL
ADVICE. TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. WEAR
SUITABLE PROTECTIVE CLOTHING, GLOVES, AND EYE/FACE PROTECTION.
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

US CLASSIFICATION AND LABEL TEXT

INDICATION OF DANGER: CORROSIVE.
RISK STATEMENTS: CAUSES BURNS. IRRITATING TO EYES AND
RESPIRATORY SYSTEM.
SAFETY STATEMENTS: IN CASE OF CONTACT WITH EYES, RINSE
IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. TAKE
OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. DO NOT BREATHE VAPOR.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES, AND EYE/FACE
PROTECTION.
US STATEMENTS: COMBUSTIBLE. LACHRYMATOR.

SECTION 16. ----- OTHER INFORMATION -----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SYNQUEST LABS, INC. SHALL
NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING
OR FROM CONTACT WITH THE ABOVE PRODUCT.