

REV: 4/90

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HEALTH = 1
FIRE = 1

REACTIVITY = 0
EQUIPMENT = -

HAZARD RATINGS: 0 = LEAST 1 = SLIGHT
2 = MODERATE 3 = HIGH
4 = EXTREME

SECTION I =====PRODUCT DESCRIPTION=====

PRODUCT NAME: BUTYL CELLOSOLVE

SYNONYMS: DIETHYLENE GLYCOL MONOBUTYL ETHER; BUTOXYDIETHYLENE GLYCOL

CHEMICAL FAMILY: GLYCOL ETHERS

SECTION II =====PRODUCT COMPOSITION=====

----- INGREDIENT -----	-----VOL % -----	-----CAS # -----	-----TLV -----
BUTOXYETHANOL		111-76-2	25 PPM OSHA PEL

SECTION III=====PHYSICAL PROPERTIES=====

BOILING RANGE: 340 F IBP

SPECIFIC GRAVITY (WATER =1) < 1

VAPOR PRESSURE AT 20C (MM OF HG) : .6

VAPOR DENSITY (AIR = 1) : 4

SOLUBILITY IN WATER: COMPLETE

EVAPORATION RATE: .08 (BUTYL ACETATE = 1)

% VOLATILES: 100

APPEARANCE AND ODOR: CLEAR, WATER-WHITE ODOR: MILD CHARACTERISTIC ODOR.

SECTION IV=====FIRE AND EXPLOSION DATA=====

LOWER FLAMMABILITY LIMITS (% IN AIR) : 1.1

FLASH POINT (AND METHOD) : 150 F (TCC)

FLAMMABILITY CLASSIFICATION: COMBUSTIBLE

RECOMMENDED EXTINGUISHING MEDIA: NFPA CLASS B EXTINGUISHER (CO2, FOAM OR DRY CHEMICAL).

SPECIAL FIRE FIGHTING PROCEDURES: WATER SPRAY MAY BE INEFFECTIVE ON FIRE BUT CAN PROTECT FIRE FIGHTERS AND COOL CLOSED CONTAINERS. USE FOG NOZZLES IF WATER IS USED. USE AIR SUPPLIED BREATHING MASKS.

FIRE/EXPLOSION HAZARDS: KEEP AWAY FROM HEAT AND OPEN FLAME. CLOSED CONTAINER MAY EXPLODE IF EXPOSED TO EXTREME HEAT.

SECTION V=====HEALTH INFORMATION=====

THRESHOLD LIMIT VALUE: 25 PPM OSHA PEL
ACUTE TOXICITY:

EFFECTS OF OVEREXPOSURE: IRRITATING TO EYES AND RESPIRATORY TRACT. MAY CAUSE DIZZINESS, UNCONSCIOUSNESS OR COMA. MAY CAUSE DAMAGE TO LIVER AND KIDNEY.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION.

SKIN CONTACT: FLUSH WITH WATER.

INHALATION: REMOVE TO FRESH AIR. IF DISCOMFORT PERSISTS, GET MEDICAL ATTENTION.

INGESTION: GIVE 1-2 GLASSES OF WATER AND INDUCE VOMITING! GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VI=====REACTIVITY DATA=====

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT AND OPEN FLAMES.

INCOMPATIBILITY WITH OTHER MATERIALS:

ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATE.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE FROM INCOMPLETE BURNING.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VII=====SPILL OR LEAK PROCEDURES=====

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED:

ISOLATE SPILL. ISOLATE FROM SOURCES OF IGNITION. MOP UP AND CONTAINERIZE.

WASTE DISPOSAL PROCEDURES:

INCINERATE PER LOCAL POLLUTION REGULATIONS.

SECTION VIII=====SPECIAL PROTECTION INFORMATION=====

RESPIRATORY PROTECTION: AS REQUIRED TO KEEP ENVIRONMENT BELOW TLV

LOCAL EXHAUST: PREFERABLE

MECHANICAL EQUIPMENT: ACCEPTABLE

PROTECTIVE GLOVES: PREFERRED

EYE PROTECTION: SAFETY GOGGLES.

OTHER PROTECTIVE EQUIPMENT: AS REQUIRED TO AVOID PROLONGED CONTACT.

SECTION IX=====ADDITIONAL PRECAUTIONS=====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

DANGER! HARMFUL IF SWALLOWED!

KEEP AWAY FROM HEAT AND OPEN FLAME. USE ONLY WITH ADEQUATE VENTILATION. AVOID PROLONGED BREATHING OF VAPOR OR SPRAY MIST. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. KEEP CONTAINER CLOSED WHEN NOT IN USE. FOR INDUSTRIAL USE ONLY!

OTHER PRECAUTIONS:

DO NOT STORE ABOVE 49 C (120 F). STORE LARGE AMOUNTS IN STRUCTURES MADE COMBUSTIBLE LIQUIDS. EMPTY CONTAINER HAZARDOUS. CONTINUE ALL LABEL PRECAUTIONS.

THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER COMET MAKES NO REPRESENTATION AS TO THE COMPLETENESS AND ACCURACY THEREOF. USERS MUST MAKE THEIR OWN DETERMINATION AS TO THE SUITABILITY OF THE PRODUCT FOR THEIR PURPOSES PRIOR TO USE.

COMET SUPPLY, INC. ACCEPTS NO RESPONSIBILITY FOR CHANGES IN THE CHARACTERISTICS OF THIS PRODUCT AS A RESULT OF ITS USE. THE USER MUST DETERMINE WHAT CHANGES OCCUR AND THE RELEVANCE OF THESE CHANGES TO THE HEALTH AND SAFETY OF INDIVIDUALS AND THE ENVIRONMENT.