# MELPHALAN CAS # 148823 HAZARDOUS CHEMICAL OF CONCERN

A Special Carcinogen E Dermal Hazard I Neurotoxin

B Human Terato\Repro Haz F Corrosive J Suspect Carcinogen

C Highly Toxic G Eye Damage K Suspect Terato\Repro Haz

D Inhalation Hazard H STEL L Sensitizers

HAZARD INDEX A B C D E . . . . . . L

NFPA HAZARD CODES (H,F,R,O) 0 0 0

SPECIAL CARCINOGEN - DESIGNATED AREA MAY BE REQUIRED

CHRONIC TOXICITY RISK INDEX 5+ - TD50 .1 mg/Kg

HUMAN TERATOGEN - DESIGNATED AREA MAY BE REQUIRED

EXTREMELY TOXIC - DESIGNATED AREA MAY BE REQUIRED

ACUTE TOXICTY RISK INDEX 4.6 - LD50 11.2 mg/Kg

INHALATION HAZARD INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

Multiple Routes: May be fatal if inhaled, swallowed, or absorbed

through skin.

SENSITIZATION

Sensitization: May cause allergic reactions and pulmonary

toxicity

TARGET ORGAN(S) OR SYSTEM(S)

Bone marrow. Reproductive system.

CONDITIONS AGGRAVATED BY EXPOSURE

The toxicological properties have not been thoroughly

investigated.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

SEGREGATION: SHELF # 1

STORAGE GROUP(S):

a - Organic Base/Flammable/Toxic

WASTE CHARACTERISTIC HAZARD: TOXIC

FIRE EXTINGUISHER: Carbon dioxide, dry chemical powder, or appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides

REACTIVE PROPERTIES

STORAGE

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: T+

Indication of Danger: Very toxic.

R: 45 46 26/27/28 63

Risk Statements: May cause cancer. May cause heritable genetic

damage. Very toxic by inhalation, in contact with skin and if

swallowed. Possible risk of harm to the unborn child.

S: 53 22 36/37/39 45

Safety Statements: Avoid exposure - obtain special instructions

before use. Do not breathe dust. 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).

The information presented in the OPMSDS is intended as a synopsis of relative hazard characteristics for this chemical, for application within the UMass-Boston Chem/XL Laboratory Program. This information is derived from a wide range of sources documented in that program. While these sources are considered credible, the user is cautioned that the university cannot guarantee the accuracy nor accept responsibility for damages which may arise from errors, omissions, or the use of this information in any context other than intended. The user is strongly encouraged to seek additional information whenever feasible.