# ACETYLHYDROXAMIC ACID CAS # 546883

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 . . . . . . . . . . . .

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

INHALATION RISK INDEX <1 - LC50

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

WASTE CHARACTERISTIC HAZARD:

FIRE EXTINGUISHER: WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: IDE NITROGEN OXIDES

REACTIVE PROPERTIES

DURING PREPARATION OF OXIME FROM AN ALDEHYDE, AN ETHER SOLUTION OF

THEREACTION MIXTURE, CONTAINING HYDROXYLAMINE HYDROCHLORIDE DECOMPOSED

VIOLENTLYUNDER VACUUM DISTILLATION AT 80F. SOLID HYDROXYLAMINE SULFATE WILL

EXPLODEWHEN HEATED TO 170C. MAY CAUSE EXPLOSIVE DECOMPOSITION OF MALEIC

ANHYDRIDE. REACTS VIOLENTLY WITH TRIISOBUTYL ALUMINUM. MINOR AMOUNTS OF ACID

CAUSEACROLEIN TO POYLMERIZE WITH RELEASE OF HEAT. BENZYL ALCOHOL CONTAINING

ACIDICCONSTITUENTS AND DISSOLVED IRON WAS FOUND TO POLYMERIZE WITH A

RAPIDTEMPERATURE INCREASE WHEN HEATED IN EXCESS OF 100C.(AMINES, PYRIDINE,

ANDALKALI HYDROXIDES ACT AS INHIBITORS AND PREVENT POLYMERIZATION.)

REACTVIGOROUSLY WITH LITHIUM ALUMINUM HYDRIDE. HIGH CONCENTRATIONS OF ACID

REACTEXPLOSIVELY WITH NICKEL NITRIDE AND HEAT. INITIATE A FAST DECOMPOSITION

OFSODIUM OZONATE. REACTS WITH THORIUM PHOSPHIDE TO RELEASE

SPONTANEOUSLYFLAMMABLE PHSOPHINE. REACTS VIOLENTLY WITH TRI-ISO-BUTYL

ALUMINUM.

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.