

42075

MATERIAL SAFETY DATA SHEET
 GLOBAL MFG. CORP.
 OXY-SAFE CITRATE TANK CLEANER

SECTION I - IDENTIFICATION

COMPANY NAME & ADDRESS....METAL FINISHING SUPPLY
 P.O. Box 526, Brookfield, WI 53005
 PHONE NUMBER.....(414) 782-0555
 EMERGENCY PHONE NUMBER....(800) 424-9300 (CHEMTREC)
 EFFECTIVE DATE.....2-19-93
 REVISED DATE.....2-19-93
 TRADE NAME.....MF-147E
 CHEMICAL FAMILY.....Mild acid cleaner
 CHEMICAL FORMULA.....N/A

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	HAZARDOUS x (PROPRIETARY)	TLV (Units)	PROD. CAS #
Citric Acid***		No Data	77-92-9

Refer to FOOT NOTES/last page

SECTION III - PHYSICAL DATA

BOILING POINT (F).....)212
 FREEZING POINT (F).....32
 PERCENT VOLATILES.....81X
 MELTING POINT (F).....N/A
 VAPOR PRESSURE.....Like water
 VAPOR DENSITY (Air=1).....Like water
 SOLUBILITY IN H₂O.....Complete
 APPEARANCE/ODOR.....Clear green liquid; Slight odor
 SPECIFIC GRAVITY (H₂O=1)...1
 EVAPORATION RATE.....(1 (Butyl Acetate = 1)
 PH.....

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT.....None
 LOWER FLAME LIMIT.....N/A
 HIGHER FLAME LIMIT.....N/A
 EXTINGUISH MEDIA.....Use proper media to primary cause of fire. Use water
 spray, dry chemical, CO₂, or mechanical foam.

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FOR FIRE.....Evacuate area of unprotected personnel. Wear protective clothing. Wear NIOSH-Approved self-contained breathing apparatus.

UNUSUAL FIRE HAZARD.....None known

SECTION V - HEALTH HAZARD DATA

TOXICITY DATA.....CARCINOGENICITY POTENTIAL: None

Citric Acid: No Data

OVER EXPOSURE EFFECTS.....EYE: May cause mild irritation. SKIN: May cause mild skin irritation. INGESTION: Irritation of mucous membranes of the mouth, throat, esophagus and stomach.

FIRST AID PROCEDURES.....EYE CONTACT: Flush immediately with plenty of water for at least 15 minutes. If irritation persists, call a physician.

SKIN CONTACT: Wash with plenty of water. Remove any contaminated clothing. If irritation persists, call a physician.

IF INHALED: Remove to fresh air.

IF INGESTED: DO NOT INDUCE VOMITING. Give several glasses of water to dilute stomach contents.

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ASSISTANCE.

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY.....Stable

CONDITIONS TO AVOID.....None known

INCOMPATIBLE MATERIALS....Strong oxidizing agents

DECOMPOSITION PRODUCTS....N/A

HAZARDOUS POLYMERIZATION..Will not occur

POLYMERIZATION AVOID.....N/A

SECTION VII - SPILL OR LEAK PROCEDURE

FOR SPILLContain spill, place into drums for proper disposal. Flush remaining area with water to remove trace residue.

WASTE DISPOSAL METHOD.....Observe all Local, State, and Federal Regulations.

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SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION....Not normally required
VENTILATION.....Adequate
PROTECTIVE GLOVES.....Impervious rubber
EYE PROTECTION.....Chemical safety glasses
OTHER PROTECTIVE EQUIP....Eye-wash, protective clothing
HANDLING AND STORAGE.....Do not store near any incompatible materials. Keep
containers tightly closed.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS.....Not DOT Regulated
DOT SHIPPING NAME.....N/A
REPORTABLE QUANTITY (RQ)..N/A
UN NUMBER.....N/A
NA NUMBER.....
PACKAGING SIZE.....44#

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FOOT NOTES HMIS HEALTH: 1
 HMIS FLAMMABILITY: 0
 HMIS REACTIVITY: 0

N/A = Not Applicable

*** Not listed under Section 313 of the Emergency Planning & Community Right-to-Know Act (Title III of the Superfund Amendments & Authorization Act of 1986, Public Law 99-499) or on the Hazardous Materials Table of the 49 CFR 172.101, but has been listed herein for informational purposes only.

DISCLAIMER