

O C S MFG -- HURRI-SAFE IMMERSION CLEANER, H2002U**MATERIAL SAFETY DATA SHEET**

NSN: 793000N041780

Manufacturer's CAGE: CSMFG

Part No. Indicator: A

Part Number/Trade Name: HURRI-SAFE IMMERSION CLEANER, H2002U

General Information

Company's Name: O C S MFG INC
Company's Street: 429 MADERA ST
Company's City: SAN GABRIEL
Company's State: CA
Company's Country: US
Company's Zip Code: 91776
Company's Emerg Ph #: 818-458-2471
Company's Info Ph #: 818-458-2471
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 020CT91
Safety Data Review Date: 19APR93
MSDS Serial Number: BSQYC
Hazard Characteristic Code: NK

Ingredients/Identity Information

Proprietary: NO
Ingredient: ETHANOL, 2-BUTOXY-; (2-BUTOXYETHANOL)
Ingredient Sequence Number: 01
Percent: <20
NIOSH (RTECS) Number: KJ8575000
CAS Number: 111-76-2
OSHA PEL: 25 PPM S
ACGIH TLV: 25 PPM S
Other Recommended Limit: 120 MG/MB (MFR)

Proprietary: NO
Ingredient: VOLATILE ORGANIC COMPOUNDS: 206 G/L CONCENTRATE, 23 G/L 8:1
DILUTION (CALCULATED FORMULA)
Ingredient Sequence Number: 02
NIOSH (RTECS) Number: 9999999V0
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Physical/Chemical Characteristics

Appearance And Odor: LIGHT AMBER LIQUID, MILD CHARACTERISTIC ODOR.
Boiling Point: 212F, 100C
Vapor Pressure (MM Hg/70 F): 14.2 @ 20C
Vapor Density (Air=1): 0.62
Specific Gravity: 1.02 (H*20=1)
Evaporation Rate And Ref: >1 (BUTYL ACETATE=1)
Solubility In Water: COMPLETE
Percent Volatiles By Volume: 94.3
pH: 12.4

Fire and Explosion Hazard Data

Flash Point: NONE
Flash Point Method: CC
Lower Explosive Limit: NONE
Upper Explosive Limit: NONE
Extinguishing Media: NO FIRE HAZARD. USE MEDIA SUITABLE FOR SURROUNDING FIRE CONDITIONS (FP N).
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).
Unusual Fire And Expl Hazrds: NOT APPLICABLE.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): NONE.
Materials To Avoid: OXIDIZING MATERIALS.
Hazardous Decomp Products: NONE.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.

Health Hazard Data

LD50- LC50 Mixture: LD50 (ORAL, RAT): 470 MG/KG.
Route Of Entry - Inhalation: NO
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE: SKIN: MAY CAUSE DRYNESS AND IRRITATION. INHALATION: NONE. INGESTION: MAY CAUSE NAUSEA AND/OR DIARRHEA. CHRONIC: THIS IS RELATIVELY INNOCUOUS SUBSTANCE NOT EXPECTED TO CAUSE HARM SHOULD TREATMENT EVER BE REQUIRED, IT WOULD BE DIRECTED AT CONTROL OF SYMPTOMS. ANIMAL STUDIES CLEARLY DEMONSTRATED (EFTS OF OVEREXP)
Carcinogeni ci ty - NTP: NO
Carcinogeni ci ty - IARC: NO
Carcinogeni ci ty - OSHA: NO
Explanati on Carcinogeni ci ty: NOT RELEVANT.
Signs/Symptoms Of Overexp: HEALTH HAZARDS: DOSE-RELATED ADVERSE EFFECTS ON CNS, HEMATOPOIETIC TISSUES, BLOOD, KIDNEYS AND LIVER, ASSOCIATED WITH ADMINISTRATION OF 2-BUTOXYETHANOL. (EXTRACTED FROM DHHS (NIOSH) PUBLICATION NO. 90-118 (FP N).
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: INGEST: DRINK WARM WATER TO DILUTE STOM CONTENTS, INDUCING VOMIT. SKIN: FLUSH THORO W/SOAP & WATER. INHAL: REMOVE FROM EXPOS. SUPPORT BRTHG (GIVE ARTF RESP/OXYGEN) (FP N). EYE: FLUSH W/ WATER FOR AT LST 15 MINS, LIFTING LOWER & UPPER LIDS. OBTAIN ATTN IF IRRIT PERSISTS. NOTES TO PHYS: THIS IS RELATIVELY INNOCUOUS SUBSTANCE NOT EXPECTED TO CAUSE HARM SHOULD TREATMENT EVER BE REQD, IT WOULD (SUPDAT)

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SMALL SPILLS: FLUSH WITH WATER. LARGE SPILLS: ABSORB WITH SAWDUST, SAND OR EARTH.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: MAY BE DISPOSED OF IN SEWER SYSTEM AFTER CONSULTING LOCAL, COUNTY, STATE OR FEDERAL REGULATIONS FOR APPLICABLE LAWS PERTAINING TO YOUR AREAS.
Precautions- Handling/Storing: STORE IN COOL DRY AREA. PREVENT FREEZING, IF

FROZEN ALLOW TO THAW, STIR WELL AND RE- USE.

Other Precautions: NONE.

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Control Measures
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Respiratory Protection: WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Ventilation: LOCAL EXHAUST IF SUFFICIENT.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APRV CHEMICAL WORKERS GOGGLES (FP N

Other Protective Equipment: WEAR PLASTIC APRON IF EXCESSIVE SPLASHING IS EXPECTED.

Work Hygienic Practices: IF CLOTHING BECOMES SOAKED, REMOVE, SHOWER, AND WASH CLOTHING.

Suppl. Safety & Health Data: FIRST AID PROCEDURE: BE DIRECTED AT CONTROL OF SYMPTOMS.

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Transportation Data
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Disposal Data
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Label Data
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Label Required: YES

Technical Review Date: 19APR93

Label Date: 14APR93

Label Status: G

Common Name: HURRI-SAFE IMMERSION CLEANER, H2002U

Chronic Hazard: YES

Signal Word: CAUTION!

Acute Health Hazard-Slight: X

Contact Hazard-Slight: X

Fire Hazard-None: X

Reactivity Hazard-None: X

Special Hazard Precautions: AVOID OXIDIZERS. ACUTE: SKIN: MAY CAUSE DRYNESS AND IRRITATION. INHALATION: NONE. INGESTION: MAY CAUSE NAUSEA AND/OR DIARRHEA. CHRONIC: ANIMAL STUDIES CLEARLY DEMONSTRATED DOSE-RELATED ADVERSE EFFECTS ON CNS, BLOOD-FORMING TISSUES, BLOOD, KIDNEYS AND LIVER.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

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