

HOCKING INTERNATIONAL CHEMICAL -- FUEL OIL CONDITIONER

MATERIAL SAFETY DATA SHEET

HOCKING INTERNATIONAL CHEMICAL

AS OF January 1999

NSN: 685000F024619

Manufacturer's CAGE: 60930

Part No. Indicator: A

Part Number/Trade Name: FUEL OIL CONDITIONER

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General Information  
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Company's Name: HOCKING INTERNATIONAL CHEMICAL CORP

Company's Street: 2121 HOOVER AVE

Company's City: NATIONAL CITY

Company's State: CA

Company's Zip Code: 92050-6529

Company's Emerg Ph #: 619-474-8457

Company's Info Ph #: 619-474-8457

Record No. For Safety Entry: 001

Tot Safety Entries This Stk#: 001

Status: SE

Date MSDS Prepared: 21NOV90

Safety Data Review Date: 22SEP92

Preparer's Company: HOCKING INTERNATIONAL CHEMICAL CORP

Preparer's St Or P. O. Box: 2121 HOOVER AVE

Preparer's City: NATIONAL CITY

Preparer's State: CA

Preparer's Zip Code: 92050-6529

MSDS Serial Number: BNXZX  
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Ingredients/Identity Information  
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Proprietary: NO

Ingredient: O-DICHLOROBENZENE, 1,2-DICHLOROBENZENE (ORTHO)

Ingredient Sequence Number: 01

Percent: >1%

NIOSH (RTECS) Number: CZ4500000

CAS Number: 95-50-1

OSHA PEL: C 50 PPM

ACGIH TLV: S, 25PPM/50 STEL9394

Other Recommended Limit: 50 PPM  
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Proprietary: NO

Ingredient: SOLVENT NAPHTHA, HEAVY AROMATIC NAPHTHA

Ingredient Sequence Number: 02

Percent: >1%

NIOSH (RTECS) Number: WF3100000

CAS Number: 64742-94-5

OSHA PEL: 100 PPM  
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Proprietary: NO

Ingredient: METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (CHLOROTHENE NU),  
AEROTHANE TT, CHLOROTHENE

Ingredient Sequence Number: 03

Percent: >1%

NIOSH (RTECS) Number: KJ2975000

CAS Number: 71-55-6

OSHA PEL: 350 PPM

ACGIH TLV: 1910 MG/CUM  
Other Recommended Limit: 450 PPM STEL

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Physical/Chemical Characteristics

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Appearance And Odor: CLEAR DARK BLUE LIQUID W/SOLVENT ODOR  
Boiling Point: 370F  
Vapor Density (Air=1): 5.1  
Specific Gravity: 0.97  
Evaporation Rate And Ref: (BU AC = 1): 0.15

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Fire and Explosion Hazard Data

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Flash Point: 140F  
Flash Point Method: TCC  
Extinguishing Media: WATER FOG, FOAM, DRY CHEMICAL OR CO2  
Special Fire Fighting Proc: DON'T USE DIRECT STREAM OF WATER. FULL BUNKER GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire And Expl Hazrds: COMBUSTIBLE. INTENSE HEAT CAN CAUSE PRESSURE BUILD-UP INSIDE CONTAINER & POSSIBLE EXPLOSIVE RUPTURE.

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Reactivity Data

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Stability: YES  
Cond To Avoid (Stability): HEAT, SPARKS, FLAME  
Materials To Avoid: STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH, NITRIC ACID  
Hazardous Poly Occur: NO

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Health Hazard Data

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Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: NO  
Route Of Entry - Ingestion: NO  
Health Haz Acute And Chronic: EYES: IRRITATION. SKIN: IRRITATION & DEFATTING. INHALATION: IRRITATION TO MUCOUS TISSUE.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NONE  
Signs/Symptoms Of Overexp: EYES: IRRITATION. SKIN: IRRITATION & DEFATTING. INHALATION: IRRITATION TO MUCOUS TISSUE.  
Emergency/First Aid Proc: EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN IF NEEDED. INGESTION: DON'T INDUCE VOMITING. KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: SOAK UP IN ABSORBENT MATERIAL & PLACE IN APPROVED DISPOSAL CONTAINER. LARGE SPILL: DIKE & CONTAIN. VACUUM & DISPOSE.  
Waste Disposal Method: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS. CONTACT HAZARDOUS WASTE DISPOSAL COMPANY TO SEAL THE CONTAINER. COMBUSTIBLE.  
Precautions-Handling/Storing: STORE IN COOL, DRY PLACE. ELIMINATE IGNITION SOURCES. KEEP CONTAINER SEALED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. COMBUSTIBLE.

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Control Measures  
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Respiratory Protection: USE NIOSH APPROVED ORGANIC SOLVENT CARTRIDGES.  
Ventilation: LOCAL EXHAUST/MECHANICAL/GENERAL  
Protective Gloves: RUBBER OR PLASTIC  
Eye Protection: GLASSES, GOGGLES OR FACE SHIELD  
Other Protective Equipment: RUBBER APRON & BOOTS  
Work Hygienic Practices: USE CARE & COMMON SENSE.

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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: 22SEP92  
Label Date: 06AUG92  
Label Status: F  
Common Name: FUEL OIL CONDITIONER  
Chronic Hazard: YES  
Signal Word: WARNING!  
Acute Health Hazard-Slight: X  
Contact Hazard-Slight: X  
Fire Hazard-Moderate: X  
Reactivity Hazard-Slight: X  
Special Hazard Precautions: EYES: IRRITATION. SKIN: IRRITATION &  
DEFATTING. INHALATION: IRRITATION TO MUCOUS TISSUE. CARCINOGENS: METHYLENE  
CHLORIDE.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: HOCKING INTERNATIONAL CHEMICAL CORP  
Label Street: 2121 HOOVER AVE  
Label City: NATIONAL CITY  
Label State: CA  
Label Zip Code: 92050-6529  
Label Emergency Number: 619-474-8457  
Year Procured: UNK