

OCTEL AMERICA, INC., -- CORROSION INHIBITOR 4 A,DCI-4 A -- 6850-01-011-5669

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Product Identification
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Product ID:CORROSION INHIBITOR 4 A,DCI-4 A

MSDS Date:03/16/1999

FSC:6850

NIIN:01-011-5669

Status Code:A

MSDS Number: CJQGG

=== Responsible Party ===

Company Name:OCTEL AMERICA, INC.,

Address:200 EXECUTIVE DRIVE

City:NEWARK,

State:DE

ZIP:19702

Country:US

Info Phone Num:1-800-441-9547

Emer

gency Phone Num:1-800-441-9547

Preparer's Name:AL HOMAN

Chemtre Ind/Phone:(800)424-9300

CAGE:CGFPF

=== Contractor Identification ===

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

Contract Num:SP0450-99-MNA11

CAGE:0A9L8

Company Name:OCTEL AMERICA, INC.,

Address:200 EXECUTIVE DRIVE

Box:City:NEWARK,

State:DE

ZIP:19702

Country:US

Phone:1-800-441-9547

CAGE:CGFPF

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Composition/Information on Ingredients
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Ingred Name:NJ TRADE SECRET REGISTRY # 00850201001-5000 P
Minumum % Wt:70.
Maxumum % Wt:80.
Other REC Limits:NONE RECOMMENDED

Ingred Name:XYLENE
CAS:1330-20-7
RTECS #:ZE2100000
Minumum % Wt:20.
Maxumum % Wt:30.
Other REC Limits:100 PPM AEL (DUPONT)
OSHA PEL:100 PPM, 435 MG/M3
ACGIH TLV:434 MG/M3;100 PPM
ACGIH STEL:651 MG/M3;150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYLBENZENE
CAS:100-41-4
RTECS #:DA0700000
Minumum % Wt:0.
Maxumum % Wt:5.
OSHA PEL:435 MG/M3;100
PPM
ACGIH TLV:434 MG/M3;100 PPM
ACGIH STEL:543 MG/M3;125 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:BENZENE
CAS:71-43-2
RTECS #:CY1400000
< Wt:.02
Other REC Limits:1 PPM, AEL (DUPONT)
OSHA PEL:see 1910.1028
ACGIH TLV:32 MG/M3;10 PPM
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) 4,500 MG/KG (XYLENE)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicit

y:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, CNS, LIVER, KIDNEYS, LUNGS. ACUTE - XYLENE CAN BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS. MAY CAUSE EYE IRRITATION WITH DISCOMFORT, TEARING, OR BLURRING OF VISION. SKIN CONTACT WITH THE PRODUCT INGREDIENTS MAY CAUSE DRYING OF THE SKIN WITH IRRITATION AND RASH. OVEREXPOSURE BY INHALATION MAY CAUSE TEMPORARY NERVOUS SYSTEM DEPRESSION. HIGHER EXPOSURES MAY LEAD TO CARDIAC STRESS, ANEMIA, POSSIBLE LIVER AND

KIDNEY DAMAGE. INGESTION OF XYLENE MAY CAUSE GASTROINTESTINAL IRRITATION, LIVER EFFECTS AND TEMPORARY NERVOUS SYSTEM DEPRESSION. CHRONIC - MAY CAUSE LIVER AND KIDNEY DAMAGE, CNS DEPRESSION.

Explanation of Carcinogenicity:PER MSDS, BENZENE IS LISTED BY IARC, NTP, OSHA OR ACGIH AS CARCINOGEN. (BENZENE IN THIS PRODUCT IS LESS THAN 0.1%).

Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, TEARING, BLURRED VISION, DRY SKIN, RASH, HEADACHE, UNCONSCIOUSNESS, DIZZINESS, PAIN.

Medical Conditions Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, KIDNEYS, PREEXISTING DISEASES OF CENTRAL NERVOUS SYSTEM, KIDNEYS, LIVER, CARDIOVASCULAR SYSTEM, LUNGS, OR BONE MARROW

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===== First Aid Measures =====

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. IF BREATHING IS DIFFICULT, OXYGEN MAY BE GIVEN BY QUALIFIED PERSONNEL.

CALL A PHYSICIAN. EYE CONTACT: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. CALL A PHYSICIAN. SKIN: FLUSH WITH WATER. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. IF PATIENT IS FULLY CONSCIOUS, IMMEDIATELY GIVE TWO GLASSES OF WATER. SEEK MEDICAL ATTENTION. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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===== Fire Fighting Measures =====

Flash Point Method:PMCC

Flash Point:=-32.2C, 90.F

Extinguishing Media:WATER SPRAY, FOAM, DRY CHEMICAL, CO2.

Fire Fighting Procedures:EVACUATE PERSONNEL TO A SAFE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:FLAMMABLE LIQUID. HAZARDOUS GASES/VAPORS PRODUCED IN FIRE ARE OXIDES OF CARBON.

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===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES

OF IGNITION. VENTILATE AREA. STOP SPILL IF POSSIBLE. USE A VAPOR SUPPRESSING FOAM TO REDUCE VAPORS. CONTAIN AND PICK UP WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, VERMICULITE. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS, CONFINED SPACES. A RELEASE OF 100 LBS MAY REQUIRE REPORTING.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN WELL VENTILATED AREA. STORE IN COOL PLACE.

KEEP CONTAINER TIGHTLY CLOSED. STORE IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION REGULATIONS. KEEP AWAY FROM IGNITION SOURCES.

Other Precautions:AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRER BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED-AIR RESPIRATOR.

Ventilation:ADEQUATE

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GLASSES OR GOGGLES OR FACE SHIELD

Other Protective Equipment:EYE BATH, WASHING FACILITY, EMERGENCY SHOWER, LAB COAT, APRON OR UNIFORM.

Work Hygienic Practices:OBSERVE

GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: ACTIVATED CHARCOAL MIXTURE MAY BE ADMINISTERED. TO PREPARE THE MIXTURE, SUSPEND 50 GRAMS ACTIVATED CHARCOAL IN 400 ML WATER AND MIX THOROUGHLY. ADMINISTER 5 ML/KG OR 350 ML FOR AN AVERAGE ADULT.

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===== Physical/Chemical Properties =====

HCC:F3

Boiling Pt:=138.C, 280.4F

B.P. Text

:@760 MM HG

Vapor Pres:10MM HG AT 24 DEGC 75 DEG

Spec Gravity:0.94 @ 16C (60F)

Solubility in Water:0%

Appearance and Odor:AROMATIC HYDROCARBON ODOR, DARK AMBER LIQUID

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE REASONABLY FORESEEABLE. (HMIS: OXIDIZING AGENTS)

Stability Condition to Avoid:IGNITION SOURCES

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE, CARBON DIOXIDE.

===== Toxicological Information =====

Toxicological Information:XYLENE: SKIN ABSORPTION LD50 (RABBITS): 4,320 MG/KG. INHALATION 4 HOUR LC50: 6,700 PPM IN RATS

===== Ecological Information =====

Ecological:XYLENE: 96 HOUR LC50, FATHEAD MINNOWS: 27-42 MG/L

===== Disposal Considerations =====

Waste Disposal Methods:TREATMENT, STORAGE, TRANSPORTATION OR DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REG

ULATIONS. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. THIS MATERIAL MAY BE A RCRA REGULATED HAZARDOUS WASTE UPON DISPOSAL DUE TO THE IGNITABILITY CHARACTERISTIC.

===== MSDS Transport Information =====

Transport Information:RQ: 100 LBS (XYLENE). PSN: XYLENE SOLUTION,3,UN1307,III.

===== Regulatory Information =====

SARA Title III Information:HAZARD CLAS

SIFICATIONS SECTIONS 311, 312:

ACUTE AND FIRE= YES; CHRONIC, REACTIVITY, PRESSURE=NO

Federal Regulatory Information:TSCA INVENTORY STATUS: REPORTED/INCLUDED

State Regulatory Information:CONTAINS TRACE QUANTITIES (