

ZEP MFRG COMPANY -- ZEP BIG ORANGE 0415 INDUSTRIAL SOLVENT DEGREASER --
7930-01-423-1203

===== Product Identification =====

Product ID:ZEP BIG ORANGE 0415 INDUSTRIAL SOLVENT DEGREASER

MSDS Date:07/21/1998

FSC:7930

NIIN:01-423-1203

Status Code:A

MSDS Number: CLQQG

=== Responsible Party ===

Company Name:ZEP MFRG COMPANY

Address:1310 SEABOARD INDUSTRIAL BLVD NW

Box:2015

City:ATLANTA

State:GA

ZIP:3030

1

Country:US

Info Phone Num:404-352-1680

Emergency Phone Num:800-424-9300

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:GO795

=== Contractor Identification ===

Company Name:ZEP MFRG COMPANY

Address:1310 SEABOARD INDUSTRIAL BLVD NW

Box:2015

City:ATLANTA

State:GA

ZIP:30301

Country:US

Phone:404-352-1680

CAGE:GO795

===== Composition/Information on Ingredients =====

Ingred Name:D-LIMONENE

CAS:5989-27-5

RTECS #:GW6360000

= Wt:90.

===== Hazard

s Identification =====

Effects of Overexposure:PRODUCT CAN BE AN EYE IRRITANT, INFLAMMATION OF EYE TISSUE IS CHARACTERIZED BY REDNESS, WATERING, AND/OR ITCHING. CONTACT, ESPECIALLY IF PROLONGED, MAY CAUSE REDNESS, ITCHING, OR IRRITATION OF THE SKI N. ONE OF THE INGREDIENTS IN THIS PRODUCT HAS CAUSED SENSITIZATION REACTIONS IN A SMALL PERCENTAGE OF THE GENERAL POPULATION.

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

First Aid:SKIN:

WASH CONTAMINATED SKIN THOROUGHLY WITH SOAP OR A MILD DETERGENT. APPLY A SKIN CREAM WITH LANOLIN, GET MEDICAL ATTENTION IF IRRITATION PERSISTS. EYES:IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER F OR AT LEAST 15 MINUTES.IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN. INHALE: MOVE EXPOSED PERSON TO FRESH AIR.IF IRRITATION PERSISTS, GET MEDICAL ATTENTION PROMPTLY.INGEST:IF THIS PRODUCT IS SWALLE D,DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS GIVE PLENTY OF WATER TO DRIN K. GET MEDICAL ATTENTION AT ONCE.

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

Flash Point Method:TCC

Flash Point:=49.4C, 121.F

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL AND FOAM.

Fire Fighting Procedures:FIRE EXPOSED DRUMS SHOULD BE COOLED WITH STREAM OF WATER. (AVOID): HEAT, FLAME, SPARK, STRONG ACIDS AND/OR OXIDIZERS.

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

Spill Release Procedures:IMMEDIATELY ELIMINATE ALL FLAME, IGNITION AND

HIGH-HEAT SOURCES. ABSORB SPILL ON INERT ABSORBENT MATERIAL (E.G. ZEP-O-ZORB).PICK UP AND PLACE RESIDUE IN A CLEAN, D.O.T. SPECIFICATION CONTAINER FOR DIS POSAL.WASH AREA THOROUGHLY WITH A DETERGENT SOLUTION AND RINSE WELL WITH WATER.

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

Handling and Storage Precautions:COMBUSTIBLE ! STORE AND USE AWAY FROM HEAT, SPARKS, OPEN FLAME, OR ANY SOURCE OF IGNITION. POST "NO SMOKING" SIGNS ACCORDING TO LOCAL

REGULATIONS FOR COMBUSTIBLE
LIQUIDS. KEEP PRODUCT AWAY FROM SKIN AND EYES. STORE
TIGHTLY CLOSED CONTAINER IN A DRY AREA AT TEMPS. BETWEEN 40-120
DEGREES F.

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

Ventilation: VENTILATION SHOULD BE EQUIVALENT TO OUTDOORS.
Protective Gloves: WEAR NITRILE GLOVES OR USE GLOVES.
Eye Protection: WEAR TIGHT FITTING SPLASH PROOF SAFETY GLASSES.
Supplemental Safety and Health

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

Boiling Pt: B.P. Text: 338-375
Melt/Freeze Pt: M.P/F.P Text: NONE
Decomp Temp: Decomp Text: NONE
Vapor Pres: (MMHG)
Vapor Density: (AIR=1)
Spec Gravity: 0.85
pH: 7.6
VOC Grams/Liter: 6.58
Evaporation Rate & Reference: (CCL4=1): ~33
Solubility in Water: EMULSIFIES
Appearance and Odor: ORANGE LIQUID WITH A CITRUS ODOR

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

Stability Indicator/Materials to Avoid: YES
HEAT, FLAME, SPARKS, STRONG ACIDS AND/OR OXIDIZERS.
Hazardous
Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, AND
OTHER UNIDENTIFIED ORGANIC COMPOUNDS.
Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: CONSULT LOCAL, STATE, AND FEDERAL AGENCIES FOR
PROPER DISPOSAL METHOD IN YOUR AREA.

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

SARA Title III Information: PHOSPHORIC ACID
State Regulatory Information: EPA TSCA CHEMICAL IN

VENTORY: ALL
INGREDIENTS ARE LISTED.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of thi
s information to their
particular situation.