

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:303

01

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.

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ds 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 SKIN. 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 FOR 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 SWALLOWED,DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS GIVE PLENTY OF WATER TO DRINK. 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 DISPOSAL.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 LOCA

L 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.

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Exposure Controls/Personal Protection  
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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

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Physical/Chemical Properties  
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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

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

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

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

INVENTORY: ALL  
INGREDIENTS ARE LISTED.

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