

ZEP MFG CO DIV OF NATIONAL SERVICE INDUSTRIES -- C-SOLV #1301 INDUSTRIAL SOLVENT
DEGREASER -- 7930-01-412-0986

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

Product ID:C-SOLV #1301 INDUSTRIAL SOLVENT DEGREASER

MSDS Date:07/23/1993

FSC:7930

NIIN:01-412-0986

Status Code:A

MSDS Number: CLBTC

=== Responsible Party ===

Company Name:ZEP MFG CO DIV OF NATIONAL SERVICE INDUSTRIES

Address:1310 SEABOARD INDUSTRIAL BLV
D NW

Box:2015

City:ATLANTA

State:GA

ZIP:30301

Country:US

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:27674

=== Contractor Identification ===

Company Name:ZEP MANUFACTURING COMPANY

Address:1310 SEABOARD INDUSTRIAL BLVD NW

Box:2015

City:ATLANTA

State:GA

ZIP:30318

Country:US

Phone:877-428-9937

CAGE:27674

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

Ingred Name:HYDROTREATED LIGHT DISTILLATE (PETROLEUM): PARAFFINIC,
NAPHTHENIC SOLVENT

CAS:6474

2-47-8
RTECS #:OA5504000
Minumum % Wt:60.
Maxumum % Wt:70.
Other REC Limits:PEL OF 100PPM

Ingred Name:D-LIMONENE: ORANGE DISTILLATE; CITRUS TERPENE; CYCLOHEXENE,
1-METHYL-4(1-METHYLETHENYL)-, (R)-
CAS:5989-27-5
RTECS #:GW6360000
Minumum % Wt:30.
Maxumum % Wt:40.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:OVEREXPOSURE TO VAPORS MAY CAUSE
MUCOUS MEMBRANE IRRITATION, PARTICULAR
LY OF EYE AND RESPIRATORY
TRACT. VAPORS MAY ALSO PRODUCE MILD, CENTRAL NERVOUS SYSTEM
DEPRESSION, CHARACTERIZED BY HEADACHE, DIZZ INESS, NAUSEA, AND
STUPOR, LEADING TO UNCONSCIOUSNESS IN EXTREME CASES. INTRODUCTION
OF SOLVENTS AS AN ASPIRATION OF VOMITIOUS FLUID MAY PRODUCE CHEMICAL
PNEUMONIA. EXISTING RESPIRATORY DISORDERS AND LUNG DISEASES MAY
BE AGGRIVATED BY INHALATION OF VAPORS. SKIN REPEATEDLY DEFATTED
FROM CONTACT MAY BE MORE SUSCEPTABLE TO IRRITATION, INFECTIO
N, OR
DERMATITIS. ONE INGREDIANT HAS CAUSED SENSITIZATION IN SMALL % OF
GENERAL POPULATION.
Effects of Overexposure:MSDS DATA PERTAINS TO PRODUCT AS DISPENSED FROM
CONTAINER. ADVERSE HEALTH EFFECTS WOULD NOT BE EXPECTED UNDER
RECOMMENDED CONDITIONS OF USE (DILUTED) SO LONG AS PRESCRIBED
SAFETY CONDITIONS ARE PRACTI CED.
Medical Cond Aggravated by Exposure:EXISTING RESPIRATORY AND LUNG
DISEASES BY INHALATION OF VAPORS.

===== First Aid Measures =====
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First Aid:SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER. WASH WITH SOAP OR
MILD DETERGENT. APPLY SKIN CREAM WITH LANOLIN. IF IRRITATION
PERSISTS, SEE DR. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15
MINUTES, OC CASONALLY LIFTING UPPER AND LOWER LIDS. GET MEDUCAL
ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF IRRITATION
PERSISTS, GET MED ATTENTION PROMPTLY. INGESTION: DO NOT INDUCE
VOMITING. IF VOMITING O CCURS, KEEP HEAD BELOW HIP LEVEL. CALL DR

IMMEDIATELY.

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

Flash Point Method:TCC

Flash Point:=62.2C, 144.F

Lower Limits:0.6

Upper Limits:6.1

Extinguishing Media:WATER FOG, ALCOHOL FOAM, DRY CHEMICAL, CARBON DIOXIDE

Fire Fighting Procedures:WEAR POSITIVE PRESSURE, SELF-CONTAINED BREATHING APARATUS. FIRE EXPOSED DRUMS SHOULD BE COOLED WITH STREAM OF WATER.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:OBSERVE SAFETY PROCEDURES AS OUTLINED IN THIS MSDS. ABSORB SPILL ON INERT, ABSORBANT MATERIAL (ZEP-O-ZORB). PICK UP AND PLACE RESIDUE IN CLEAN, DOT SPECIFICATION CONTAINER FOR DISPOSAL. WASH AREA THOROUGHLY WITH DETERGENT SOLUTION, THEN RINSE WELL WITH WATER.

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

Handling and Storage Precautions:COMBUSTABLE! STORE/USE AWAY FROM HEAT, SPARKS, OPEN FLAME, OR ANY SOURCE OF IGNITION. STORE TIGHTLY

CLOSED CONT. IN DRY AREA AT 40-120 DEGREES F. KEEP AWAY FROM SKIN/EYES. DO NOT BRETHE SPRAY MISTS OR VAPORS. REMOVE CONTAMINATED CLOTHING OR SHOES IMMEDIATELY AND NOT REWORN UNTIL THOROUGHLY CLEANED.

Other Precautions:KEEP OUT OF THE REACH OF CHILDREN.

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

Respiratory Protection:WHEN EXPOSURE LEVELS EXCEED PEL/TLV (LIKELY IN CONFINED AREAS), USE AN ORGANIC VAPOR RESPIRATOR (ZEP 2211)

Ventilation:PROV

IDE LOCAL EXHAUST/VENTILATION AS NEEDED TO KEEP

CONCENTRATION OF VAPORS BELOW EXPOSURE LIMITS (PEL/TLV)

Protective Gloves:NEOPRENE, NITRILE, OR GLOVES PROVEN TO BE RESISTANT TO INGREDIENTS

Eye Protection:WEAR TIGHT-FITTING SAFETY GLASSES OR GOGGLES.

Supplemental Safety and Health

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

Boiling Pt:=171.1C, 340.F

Spec Gravity:0.828

Solubility in Water:NONE

Appearance and Odor:CLEAR, THIN LIQUID WITH AN ORANGE-LIKE FRAGRANCE

P

ercent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

HEAT, FLAME, SPARKS, STRONG ACIDS, AND/OR OXIDIZING AGENTS.

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, AND
OTHER UNIDENTIFIED ORGANIC COMPOUNDS.

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

Waste Disposal Methods:LIQUIDS CANNOT BE SENT TO LANDFILLS. PRODUCT IS
NOT CONSIDERED A HAZARDOUS WASTE UNDER

RCRA. ABSORB UNUSABLE LIQUID

ON AN INERT, ABSORBANT MATERIAL (EG. ZEP-O-ZORB), DRUMMED AND TAKEN
TO A CHEMICAL/IN DUSTRIAL LANDFILL. PRETREATMENT MAY BE REQUIRED
BEFORE LANDFILLING. CONSULT LOCAL, STATE, OR FED AGE NCIES FOR
PROPER DISPOSAL METHOD IN YOUR AREA.

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

State Regulatory Information:

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