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MSDS

Common Name: ORANGE INDUSTRIAL HAND CLEANER WITH ABRASIVE**Manufacturer:** ZEP MANUFACTURING**MSDS Revision Date:** 8/5/2008**Grainger Item Number(s):** 3HUU6**Manufacturer Model Number(s):****MSDS Table of Contents**

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ZEP PROFESSIONAL

MATERIAL SAFETY DATA SHEET

ZEP INC.
1310 SEABOARD INDUSTRIAL BLVD.
ATLANTA GA 30318
1-877-793-7776

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORANGE INDUSTRIAL HAND CLEANER WITH ABRASIVE

PRODUCT USE: INDUSTRIAL HAND CLEANER

PRODUCT CODE: R051

DATE OF ISSUE: 08/05/08

SUPERSEDES:

EMERGENCY TELEPHONE NUMBERS:

FOR MSDS INFORMATION:
COMPLIANCE SERVICES: 1-877-793-7776

FOR MEDICAL EMERGENCY:
INFOTRAC: (877) 541-2016 TOLL FREE - ALL CALLS RECORDED

FOR TRANSPORTATION EMERGENCY:
CHEMTREC: (800) 424-9300 - ALL CALLS RECORDED
IN THE DISTRICT OF COLUMBIA: (202) 483-7616

PREPARED BY:
COMPLIANCE SERVICES
1420 SEABOARD INDUSTRIAL BLVD.
ATLANTA, GA 30318

SECTION 2. HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:
CAUTION
MAY CAUSE EYE IRRITATION.

*HAZARD DETERMINATION SYSTEM (HDS):
HEALTH 0
FLAMMABILITY 0
REACTIVITY 0

NOTE:
MSDS DATA PERTAINS TO THE PRODUCT AS DELIVERED IN THE ORIGINAL SHIPPING CONTAINER(S). RISK OF ADVERSE EFFECTS ARE LESSENED BY FOLLOWING ALL PRESCRIBED SAFETY PRECAUTIONS, INCLUDING THE USE OF PROPER PERSONAL PROTECTIVE EQUIPMENT.

ACUTE EFFECTS:

ROUTES OF ENTRY: NOT APPLICABLE.

EYES:
MAY CAUSE EYE IRRITATION. INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING AND ITCHING.

SKIN:
MAY CAUSE SKIN SENSITIZATION. MAY CAUSE ALLERGIC REACTIONS IN CERTAIN INDIVIDUALS.

INHALATION:
NO KNOWN ACUTE EFFECTS OF THIS PRODUCT RESULTING FROM INHALATION.

INGESTION: INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION AND DIARRHEA.

CHRONIC EFFECTS:
PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

ADDITIONAL INFORMATION: SEE TOXICOLOGICAL INFORMATION (SECTION 11)

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



D-LIMONENE; ORANGE DISTILLATE;	5989-27-5	5 - 15
CITRUS TERPENE; CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (R)-		
ALKYL (C16-C18) METHYL ESTERS	67784-80-9	<3

SECTION 4. FIRST AID MEASURES



EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. CHECK FOR AND REMOVE ANY CONTACT LENSES. CONTINUE TO RINSE FOR AT LEAST 10 MINUTES. GET MEDICAL ATTENTION.

SKIN CONTACT:

THIS PRODUCT IS FORMULATED FOR USE ON THE SKIN, BUT SHOULD ALWAYS BE IMMEDIATELY RINSED OFF WITH PLENTY OF WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

INHALATION: INHALATION NOT LIKELY UNDER NORMAL USE CONDITIONS.

INGESTION:

ASPIRATION HAZARD IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. IF VOMITING OCCURS, THE HEAD SHOULD BE KEPT LOW SO THAT VOMIT DOES NOT ENTER THE LUNGS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF AFFECTED PERSON IS CONSCIOUS, GIVE PLENTY OF WATER TO DRINK. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 5. FIRE FIGHTING MEASURES



FLASH POINT: NONE.

FLAMMABLE LIMITS: NOT APPLICABLE

FLAMMABILITY:

NON-COMBUSTIBLE. GEL STRUCTURE INHIBITS COMBUSTIBILITY OF SOLVENT.

FIRE HAZARD:

IN A FIRE OR IF HEATED, A PRESSURE INCREASE WILL OCCUR AND THE CONTAINER MAY BURST.

FIRE-FIGHTING PROCEDURES:

USE AN EXTINGUISHING AGENT SUITABLE FOR THE SURROUNDING FIRE.

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.):

0
0
0

SECTION 6. ACCIDENTAL RELEASE MEASURES



SPILL CLEAN UP:

MOVE CONTAINERS FROM SPILL AREA. DILUTE WITH WATER AND MOP UP IF WATER-SOLUBLE OR ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER.

SECTION 7. HANDLING AND STORAGE



HANDLING:

AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH CONTAMINATED CLOTHING BEFORE REUSING. DO NOT REUSE CONTAINER.

STORAGE:

STORE IN ORIGINAL CONTAINER PROTECTED FROM DIRECT SUNLIGHT IN A DRY, COOL AND WELL-VENTILATED AREA, AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10) AND FOOD AND DRINK.

STORE BETWEEN THE FOLLOWING TEMPERATURES:

40 DEG. F - 120 DEG. F (4.4 DEG. C - 49 DEG. C). KEEP OUT OF THE REACH OF CHILDREN.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PRODUCT NAME

EXPOSURE LIMITS

NO EXPOSURE LIMIT VALUE KNOWN.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYES: NO SPECIAL PROTECTION IS REQUIRED.

BODY: NO SPECIAL PROTECTION IS REQUIRED.

RESPIRATORY: NO SPECIAL VENTILATION REQUIREMENTS.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID. (VISCIOUS LIQUID.)

COLOR: ORANGE.

pH: 7.5 - 8.5

ODOR: PLEASANT. CITRUS

BOILING POINT: NOT DETERMINED.

VAPOR PRESSURE: NOT DETERMINED.

SPECIFIC GRAVITY: 1.02

VAPOR DENSITY: NOT DETERMINED.

SOLUBILITY: EMULSIFIES IN WATER.

EVAPORATION RATE: NOT DETERMINED.

VOC (CONSUMER):

80 (G/L).

0.67 LBS/GAL (7.9%)

SECTION 10. STABILITY AND REACTIVITY

STABILITY AND REACTIVITY: THE PRODUCT IS STABLE.

INCOMPATIBILITY:

REACTIVE OR INCOMPATIBLE WITH THE FOLLOWING MATERIALS: OXIDIZING MATERIALS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES (CO, CO2)

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NOT AVAILABLE.

SECTION 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

AQUATIC ECOTOXICITY: NOT AVAILABLE.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE INFORMATION:

WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES FOR ADDITIONAL INFORMATION.

WASTE STREAM:

CODE: (NONE.)

CLASSIFICATION: (NON-HAZARDOUS WASTE)

SECTION 14. TRANSPORT INFORMATION

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASSES	PG*	LABEL
DOT CLASSIFICATION	NOT REGULATED.	NOT A DOT CONTROLLED MATERIAL (UNITED STATES).			
IMDG CLASS	NOT DETERMINED.				

NOTE:

DOT CLASSIFICATION APPLIES TO MOST PACKAGE SIZES. FOR SPECIFIC CONTAINER SIZE CLASSIFICATIONS OR FOR SIZE EXCEPTIONS, REFER TO THE BILL OF LADING WITH YOUR SHIPMENT.

PG*: PACKING GROUP

SECTION 15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

SARA 313 TOXIC CHEMICAL NOTIFICATION AND RELEASE REPORTING:
NO PRODUCTS WERE FOUND.

CLEAN WATER ACT (CWA) 307: NO PRODUCTS WERE FOUND.

CLEAN WATER ACT (CWA) 311: NO PRODUCTS WERE FOUND.

CLEAN AIR ACT (CAA) 112 REGULATED TOXIC SUBSTANCES: NO PRODUCTS WERE FOUND.

ALL COMPONENTS OF THIS PRODUCT ARE LISTED OR EXEMPT FROM LISTING ON TSCA INVENTORY.

STATE REGULATIONS:

CALIFORNIA PROP 65: NO PRODUCTS WERE FOUND.

SECTION 16. OTHER INFORMATION

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, NEITHER THE ABOVE NAMED SUPPLIER NOR ANY OF ITS SUBSIDIARIES ASSUMES ANY LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN.

FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN,

WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

*NOTE:

HAZARD DETERMINATION SYSTEM (HDS) RATINGS ARE BASED ON A 0-4 RATING SCALE, WITH 0 REPRESENTING MINIMAL HAZARDS OR RISKS, AND 4 REPRESENTING SIGNIFICANT HAZARDS OR RISKS ALTHOUGH THESE RATINGS ARE NOT REQUIRED ON MSDSS UNDER 29 CFR 1910.1200, THE PREPARER MAY CHOOSE TO PROVIDE THEM. HDS RATINGS ARE TO BE USED WITH A FULLY IMPLEMENTED PROGRAM TO RELAY THE MEANINGS OF THIS SCALE.