

ORANGE 90



TECHNICAL DATA SHEET

ORANGE 90 Organic Degreaser Deodorizer Declogger

SPECIFICATIONS

Physical Form

Liquid

Color

Pale Yellow

Scent

Citrus

Specific Gravity

.84

Total Solids

10%

Total Solvent

90%

USES

Orange 90 is an all natural, solvent degreaser for extremely heavy duty soils. It contains no petroleum or chlorinated solvents. Orange 90 is 100% active, a blend of 90% d-Limonene and 10% detergent surfactants. It quickly penetrates and dissolves grease, oil, dirt, cosmoline, gum, rubber marks, carbon, creosote, and inks.

ADVANTAGES

- All natural solvent degreaser. Contains a blend of 90% d-limonene and 10% detergent surfactants for 100% activity.
- Excellent choice for removing those tough-to-clean substances like gum.
- Declogs and maintains drain lines and grease traps.
- Will quickly penetrate and dissolve grease, oil, dirt, cosmoline, rubber marks, carbon, creosote, inks, and many other stains.

TO USERS in CALIFORNIA (does not comply with South Coast AQMD VOC regulations) and OTC STATES, ORANGE 90 MUST be diluted 1 part product with no less than 24 parts water prior to use to meet 4% VOC for use as a general purpose degreaser.

VOC Category: General Purpose Cleaner

DIRECTIONS

Removing gum: Dilute 1 part ORANGE 90 with 2 parts water. Apply diluted product, allow product to penetrate soil. Agitate, wipe or rinse away soil.

Maintaining drain lines & grease traps: Use weekly to keep drains free flowing. Pour 8 ounces down drain. Let stand for 10 minutes, then flush drain with hot water. If drain is slow, repeat every 2 to 3 days until drain flows freely.

Deodorizing: Add 4 ounces to a gallon of cold water. Spray or mop onto surface. Controls odors around dumpsters, septic tanks, sewage treatment plants, kennels. Can be applied by drip method or fogging around sewage treatment plants.

Degreasing: For general cleaning and degreasing use 4 ounces to a gallon of water. Let stand for several minutes then rinse thoroughly.

This product is designed for industrial and institutional use by trained maintenance personnel. All directions and precautions must be followed exactly.

WARNING: Flammable Liquid. May cause irritation to eyes and skin. May be harmful or fatal if swallowed. Keep away from sparks and open flame.
Keep out of reach of children.

SHIPPING WEIGHT IN POUNDS:

Case 4 Plastic Gallons 30.9 pounds
5 Gallon Tighthead 43.5 pounds



MATERIAL SAFETY DATA SHEET

Prepared According to 29 CFR 1910, 1200

N/A (Not Applicable) N/E (Not Established)

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: ORANGE 90 DEGREASER

CHEMICAL FAMILY: COMPOUNDED FRAGRANCE,
AND SURFACTANT.

DOT SHIPPING NAME:

NOT REGULATED
N/A NONE

TECHNICAL NAME: NOT REGULATED

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

	%	TLV (UNITS)
ORANGE TERPENES 5989-27-5	<100%	N/E

CARCINOGENS: NONE SUSPECTED.

TSCA: ALL COMPONENTS LISTED.

*SARA TITLE III, SECTION 313 LISTED

SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT (METHOD USED): 115 DEG F TCC

UPPER EXPLOSIVE LIMIT: N/E LOWER EXPLOSIVE LIMIT: N/E

EXTINGUISHING MEDIA:

WATER SPRAY, DRY
CHEMICALS, FOAM, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES: TREAT AS A CHEMICAL FIRE.
USE SELF-CONTAINED BREATHING APPARATUS AND
EVACUATE ALL UNNECESSARY PERSONNEL FROM THE AREA.

UNUSUAL FIRE AND EXPLOSING HAZARDS: TREAT AS A FLAMMABLE OR
COMBUSTIBLE LIQUID.

SECTION VI - FIRST AID & HEALTH HAZARD DATA

FIRST AID

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids apart. Washing eyes within one minute is essential. Seek immediate medical attention.

SKIN: Wash with plenty of water for 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists.

INGESTION: Give large quantities of water. DO NOT induce vomiting. If vomiting occurs spontaneously, keep head lower than lungs to prevent aspiration of chemical into lungs. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

INHALATION: Remove victim to fresh air. If person is having difficulty in breathing, perform artificial respiration and get immediate medical attention.

EFFECTS OF OVEREXPOSURE (Primary Route of Entry)

N/E

EYES: Irritation, burns.
SKIN: Irritation, burns, dermatitis.
INGESTION: Nausea, vomiting, unconsciousness, death.
INHALATION: Headache, dizziness, nausea, CNS depression.

SECTION V - STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Use sound industrial hygiene practices. Keep container closed when not in use. Wash after handling. Do not eat, drink or smoke around this or any other chemicals. Read labels and material safety data sheets before using. Store container in a dry, cool area.

HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	B

HAZARD RATING

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

SECTION III - PHYSICAL DATA

PHYSICAL DESCRIPTION:

ORANGE LIQUID,
CITRUS SCENT

BOILING POINT (F): N/E

VAPOR PRESSURE: N/E

% VOLATILE: 6.5#/GALLON

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY: 0.84

EVAPORATION RATE: N/E

pH: N/E

SECTION VII - REACTIVITY DATA

STABILITY: UNSTABLE STABLE X

INCOMPATIBILITY (Materials to Avoid):

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, OR CO2 AND SMOKE ON
COMBUSTION.

HAZARDOUS POLYMERIZATION: NO

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILLS/LEAKS: Wear appropriate protective equipment. Cover with inert absorbent, collect and disposed of properly.

LARGE SPILLS/LEAKS: Remove ignition sources. Wear appropriate protective equipment. Contain material. Clean up should be handled by properly trained and authorized personnel. Disposal must be done in accordance to local, state and federal regulation.

EMPTY CONTAINERS DISPOSAL:

Any disposal practices must be in compliance with federal, state and local laws. Any questions regarding disposal should be directed to the proper government agency.

SECTION IX - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION NONE NORMALLY REQUIRED WITH ADEQUATE VENTILATION.

PROTECTIVE GLOVES..... RUBBER OR NEOPRENE

EYE PROTECTION..... CHEMICAL SAFETY GOGGLES

VENTILATION..... LOCAL EXHAUST

OTHER PROTECTIVE EQUIPMENT.. EYE WASH AND SAFETY SHOWER

Contact Information:

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