

ECLIPSE ORANGE™ INDUSTRIAL STRENGTH ALL PURPOSE CITRUS DEGREASER & DEODORIZER

Multi-Purpose, Industrial Strength Degreaser

FEATURES

- 100% active citrus-based concentrate
- Removes most grease, oil stains, and soils
- Excellent for deodorizing and odor control
- Ecologically sound & sensible



RECOMMENDED SURFACES

Suitable for most washable surfaces. Not suitable for floor surfaces coated with acrylic or urethane finishes.

PRODUCT DATA

Description:	Industrial strength degreaser
Appearance:	Orange liquid
Fragrance:	Orange
Viscosity:	< 5 centipoise @ 68°F (20°C)
pH (1:1 Aqueous):	8.5 ± 0.5 ASTM E70-97
Flash Point:	>117°F (TCC)
Shelf Life:	1 year minimum in original unopened container
Density:	7.1 lb per gal @ 68°F 0.85 kg per liter @ 20°C
Freeze/Thaw Stable:	Passes 3 cycles ASTM D3209-93 (1998)

PRECAUTIONS

Keep out of reach of children. Keep container sealed when not in use. Avoid freezing. If frozen, allow to return to room temperature slowly and mix thoroughly before using.

ORDERING INFORMATION

Product #395MP:	4 x 1.06 gallon per case (4 x 4 liter)
Product #395Q12:	12 x 32 oz per case (12 x 0.95 liter)

DIRECTIONS FOR USE:

Apply Eclipse Orange Industrial Strength All Purpose Citrus Degreaser & Deodorizer as follows:

Removal of grease, tar, asphalt, rubber tire marks, etc. from concrete, quarry tile, engines, motors, parts, and other surfaces:

Apply undiluted product to surface by spray, mop, brush, cloth or sponge. Test for surface compatibility in an inconspicuous area before general use. Allow sufficient contact time for the solution to work properly. Agitate if necessary. Rinse thoroughly with clean water.

For Light Degreasing of floors, walls, building exteriors, and other surfaces dilute at:

1:128 1 US oz per gal water (40 ml per 5 liters water)

For Medium Degreasing of baths, showers, and locker room facilities dilute at:

1:64 2 US oz per gal water (80 ml per 5 liters water)

For Heavy Degreasing of floors, metal surfaces, pre-painted surfaces, etc. dilute at:

1:16 8 US oz per gal water (320 ml per 5 liters water)

Apply diluted solution to surfaces by spray, mop, brush, cloth, autoscrubber or sponge. Test for surface compatibility in an inconspicuous area before general use. Allow sufficient contact time for the solution to work properly. Agitate if necessary. Rinse thoroughly with clean water. Do not apply to food contact surfaces. Do not apply to floors coated with acrylic or urethane finishes.

Cleaning grease traps and drain lines:

Add 8 US oz (240 ml) undiluted product daily and allow to work for 1 hour before rinsing with warm water.

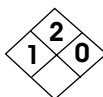
Pioneer Eclipse®

ECLIPSE ORANGE INDUSTRIAL STRENGTH ALL PURPOSE CITRUS DEGREASER & DEODORIZER

LAST REVISION DATE: 02/24/06
MANUFACTURER: Pioneer Eclipse® Corporation
 Sparta, NC 28675 Phone: 1-336-372-8080.
FOR CHEMICAL EMERGENCY: Spill, Leak, Fire,
 Exposure or Accident **CALL CHEMTREC - Day or
 Night at 1-800-424-9300** Toll Free in the
 Continental US **483-7616** in DISTRICT OF
 COLUMBIA. For calls originating outside the US:
 Call Collect **1-202-483-7616** Washington, DC.

SECTION I: GENERAL INFORMATION

PRODUCT NAME: Eclipse Orange Industrial
 Strength All Purpose Citrus Degreaser &
 Deodorizer
PRODUCT #: 395
PRODUCT TYPE: Industrial strength, non-aqueous
 degreaser
PRECAUTIONS: Combustible. Skin and eye
 irritant. Keep container sealed when not in use.
 Keep out of reach of children.
HEALTH: 1
FLAMMABILITY: 2
REACTIVITY: 0
NFPA HAZARD RATINGS
 4-EXTREME 3-HIGH 2-MODERATE
 1-SLIGHT 0-INSIGNIFICANT

**SECTION II: HAZARDOUS INGREDIENTS**

INGREDIENT: d-Limonene
CAS#: 5989-27-5
%: 90-100
OSHA PEL: N/L
ACGIH TLV: N/L
LD₅₀ SPECIES & ROUTE: 5 g/kg, oral rat
INGREDIENT: Modified Amine Condensate
CAS#: N/E
%: 5-10
OSHA PEL: N/L
ACGIH TLV: N/L
LD₅₀ SPECIES & ROUTE: N/E

N/E= Not Established, N/L - Not Listed
 N/A= Not Applicable

APPEARANCE: Orange liquid

PHYSICAL STATE: Liquid

SECTION III: PHYSICAL/CHEMICAL DATA

BOILING POINT: 177°C / 350°F
EVAPORATION RATE: Less than water
FREEZING POINT: <-40°C / <-40°F
VAPOR DENSITY: More than air
% VOLATILE BY WEIGHT: 90-95%
VAPOR PRESSURE: Less than water
DENSITY: 7.1 lb per gal @ 68°F

0.85 kg per liter @ 20°C
SOLUBILITY IN WATER: Miscible in all proportions

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: >117° F (TCC)
EXPLOSIVE LIMITS:
 LOWER: N/A UPPER: N/A
EXTINGUISHING MEDIA: Water spray, CO₂, dry
 chemical, alcohol-type or universal-type foams.
SPECIAL FIRE FIGHTING PROCEDURES: None
HAZARDOUS COMBUSTIBLE PRODUCTS: N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION V: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY (MATERIALS TO AVOID):
 Strong acids and oxidizing agents may produce
 carbon monoxide, carbon dioxide, and
 nitrogen oxides.
HAZARDOUS DECOMPOSITION PRODUCTS: N/A
REACTIVITY CONDITIONS: None

SECTION VI: HEALTH HAZARD DATA

EYES: Irritation, reddening or possible damage
 upon repeated or prolonged contact. For eye
 contact, flush with a large amount of water for at
 least 15 minutes. See a physician immediately.
SKIN: Irritation, reddening or possible damage
 upon repeated or prolonged contact. For skin
 contact, wash affected areas with soap and
 water. Seek medical attention if irritation persists.
INHALATION: Vapor or mist can cause headache,
 nausea and irritation of the eyes, nose, throat and
 lungs. For overexposure, move subject to fresh
 air. Seek medical attention if symptoms persist.
INGESTION: May cause nausea, abdominal
 discomfort, vomiting, diarrhea. If ingested, give
 two glasses of water or milk and do not induce
 vomiting. Remove by endotracheal intervention.
 Seek medical attention immediately.
**CHRONIC EFFECTS AND MEDICAL CONDITIONS
 AGGRAVATED BY OVEREXPOSURE:** Main hazard
 is due to product's severe irritant properties.
 Treatment should be directed at the control of
 symptoms and the clinical condition of
 the patient.
CARCINOGEN: Non-carcinogenic
REPRODUCTIVE EFFECTS: N/E
TERATOGENICITY: N/E
MUTAGENICITY: N/E
THRESHOLD LIMIT VALUE: See Section II.

SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES

SMALL SPILLS: Absorb spill with inert material
 (e.g. sand, earth) and dispose of as waste
 material in accordance with local, state, and
 federal law or flush with large amounts
 of water.
LARGE SPILLS: Keep spectators away. Floors may
 be slippery; use care to avoid falling. Dike and
 contain spill with inert material (e.g. sand, earth).
 Transfer liquid to containers for recovery or
 disposal and solid diking material to separate
 containers for disposal. Keep spills and cleaning
 runoff out of sewers and open bodies of water.
WASTE DISPOSAL: Dispose of as waste
 material in accordance with local, state,
 and federal regulations.

SECTION VIII: SPECIAL PROTECTION

(ANSI Z87.1-1989 or approved equivalent)
RESPIRATORY PROTECTION: None required
 when permissible airborne concentrations are
 not exceeded. In emergency, use approved
 positive pressure self-contained breathing device.
VENTILATION: Mechanical local exhaust
 ventilation at point of contamination release
OTHER PROTECTIVE EQUIPMENT: As required
 by employer code. Rubber boots and chemical
 resistant gloves recommended.

SECTION IX: SPECIAL PRECAUTIONS

(MAX. 60°C / 140°F) (MIN. 1°C / 34°F)
OTHER PRECAUTIONS: Avoid freezing. If frozen,
 allow to return to room temperature slowly. Mix
 thoroughly before using.

SECTION X: ADDITIONAL INFORMATION

Nothing in this data sheet nor any statement
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This MSDS has been provided to you in accordance with
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 (29CFR1910.1200).

***IMPORTANT SAFETY INFORMATION
 DO NOT DISCARD***
 PLEASE ROUTE TO COMPANY SAFETY OFFICER

Pioneer Eclipse®