

ORANGE DEGREASER 38-1005 MSDS Material Data Safety Sheet

Review and update this document annual as outlined by OSHA regulations and your safety plan.

PRODUCT & COMPANY

IDENTIFICATION

Identity (As Used on Label and List): ORANGE DEGREASER
 Product Class: Degreaser
 Emergency Telephone Number: 651-227-8331
 Telephone Number for Information: 651-227-8331
 Manufacturer's Name and Address:
 Needels Supply Inc.
 444 Wacouta Street
 Saint Paul, MN 55101

Date Prepared 01-10-2008

SECTION II - COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	OSHA PEL	AGGIH	Other Comments
A	Dodecylbenzenesulfonic Acid CAS# 27176-87-0	NA		
B	Triethanolamine CAS# 102-71-6			
C	Sodium Alkyl-aryl Sulfonates CAS# Proprietary formula			
D	Diethanolamide CAS# 68603-42-9			
E	Sodium Carbonate CAS# 19-8			
F	Sodium Metasilicate.5h2O CAS# 6834-92-0	2mg/m 3asNA2 0	2mg/m 3asNA2 0	
G	Potassium Hydroxide CAS# 1310-58-3	2mg/m 3	(1 1/2)	
H	Dlimonene			

SECTION III PHYSICAL CHARACTERISTICS

Solubility in Water: Complete
 Appearance and Odor: Orange Color, Orange Fragrance

SECTION IV - FIRE FIGHTING MEASURES

Flammability: Autoignition
 Temperature:
 Flash Point (method used): Greater than 200 DEG. F
 Flammable Limits: LEL: ND UEL: ND
 Extinguishing Media See Below

Water?	Foam? X	Water Fog? X	Alcohol Foam?
CO2? X	Dry Chemical?	Vaporizing Liquid?	Other?

Special Fire Fighting Procedures: NR

Unusual Fire and Explosion Hazards: NK
 TDG Flammability Classification:
 Sensitivity to Mechanical Impact: No
 Sensitivity to Static Discharge: No

SECTION V - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X
 Conditions to Avoid: Avoid Freezing. Store at temperatures from 40 DEG. F to 110 DEG. F.
 Incompatibility (materials to avoid): Some components react with and emit CO2 and water
 Hazardous Decomposition or By-products: SOX, CO, CO2, NOX, H2O when residue is incinerated, all in small amounts.
 Hazardous Polymerization: fConditions to Avoid:

SECTION VI HEALTH HAZARD DATA & FIRST AID MEASURES

Primary Hazards: Harmful if swallowed. Concentrate can severely irritate eyes. Prolonged skin contact will irritate skin and cause chafing.
 Potential Health Hazards
 Route(s) of Entry: Skin Absorption: Slight Ingestion:
 Inhalation: NO
 Eye: Flush eyes with cool, running water for at least 15 minutes, obtain medical attention.
 Skin: Wash area thoroughly with soap and cool water. Remove and wash contaminated clothing before reuse.
 Ingestion: If ingested, DO NOT induce vomiting, drink one or two glasses of water and call a physician immediately.
 Health Hazards: Harmful if swallowed. Concentrate can severely irritate eyes. Prolonged skin contact will irritate skin and cause chafing.

Signs and Symptoms of Exposure: Burning eyes and irritated skin.
 Carcinogenicity: NTP? NO IARC Monographs? NO
 OSHA Regulated? NO

SECTION VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: All spills should be treated as quickly as possible. Turn off all sources of ignition (pilot lights, cigarettes, etc.) in all areas close to spill. Provide good ventilation in spill area. CAUTION: Spills cause floors to become very slippery. It is recommended that an absorbent (oil dry, sawdust, etc.) be available in case a large spill (say more than 1/2 gallon) occurs. Diking and applying such material limits spread and improves ease of removal. Apply amounts recommended by the manufacturer this action generally makes the spill material into a semi-dry slush which can be removed from a floor using a squeegee (or floor brush) and a shovel (non sparking). Place this material in a waterproof container and hold for later disposal. After spill slush is removed, mop-rinse spill area with clear water. Mop-rinse again with clear and pick up rinse water with a wet/dry vacuum, put defoamer in vacuum tank to prevent vacuum flooding. Put rinse water in slush container. For small spills (less than 1/2 gallon of product) clean up by thoroughly mopping and rinsing. Note: It is recommended that on operator wear impervious footwear (neoprene, etc.), protective eye glasses and protective gloves.

Precautions to be Taken in Handling and Storing: Normal care such as wearing protective eye glasses and gloves which are waterproof. Store at temperatures from 40 DEG F to 110 DEG F.

Other Precautions: Keep out of reach of children. Keep from freezing. Do not mix with acids or oxidizers

Waste Disposal Method: Dispose of in accordance with existing ordinances and all pertinent laws and regulations.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): NR
 Ventilation: Local Exhaust: NA
 Special: NR
 Mechanical (General): Normal ventilation
 sufficient Other: NR
 Protective Gloves: Recommended Eye
 Protection: Recommended Footwear: Impervious footwear
 Other Protective Clothing or Equipment:
 Work/Hygienic Practices: Do not contaminate food or beverage with this or other cleaning products.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 185 DEG. F pH:
 12.5/12.7
 Specific Gravity (H2O) = 1: 1.057/1.059 %
 Volatile:
 Vapor Density (Air = 1): Same as H2O
 Evaporation Rate (Butyl Acetate = 1): Essentially same as water

Solubility in Water: Completely

Vapor Pressure (MM HG): Same as H2O
 Melting Point: Liquid, except when frozen.

HMIS	
<i>Hazardous Material Identification System</i>	
Health (Salud)	1 = Slight Hazard (Riesgo Liger)
Flammable (Inflamabilidad)	0 = Minimal Hazard (Riesgo Minimo)
Ractivity (Reactividad)	0 = Minimal Hazard (Riesgo Minimo)
Personal Protection	B = Gloves & Goggles
MSDS Abbreviations	
NE	Not Established
ND	Not Determined
NA	Not Available
NK	Not Known
NR	Not Required



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 for Cleaning & Maintenance Professionals