

MATERIAL SAFETY DATA SHEET

INDUSTRIAL CLEANING EQUIPMENT & SUPPLY

2600 N.W. 55TH COURT, SUITE 230

FORT LAUDERDALE, FLORIDA 33309

954-714-4977

EMERGENCY PHONE NUMBER 800-535-5053

IDENTITY (As listed on label): ORANGENE

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components:	OSHA PEL	ACGIG TVL	% RANGE
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According to the OSHA Hazard Communications Standard, 29 CFR 1910.1200. This product contains no hazardous ingredients.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 310 F Specific Gravity (H₂O=1) @ 25 C/25 C = 0.8400

Vapor Pressure: 1mm@ = 20 F Melting Point: N/A

Vapor Density (air=1) 4.69 Evaporation Rate (Butyl Acetate = 1) Slower

Solubility in Water: Soluble in trace quantities only.

Appearance and Odor: Slight to no color with citrus odor.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used):	Flammable Limits:	LEL:	UEL:
115 F	TCC @ 302 F	0.7	6.1

Extinguishing Media: Dry powder, foam, CO₂

Special Fire Fighting Procedures: Class B fire procedures.

Unusual Fire and Explosion Hazards: Combustible liquid. Keep away from heat, sparks and open flame.

SECTION V – REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to Avoid): Avoid strong oxidizing agents.

Hazardous Decomposition or Byproducts: None known.

Hazardous Polymerization: May Occur.

Conditions to Avoid: Polymerization. Catalysts such as aluminum chloride.

SECTION VI – HEALTH HAZARD DATA

Routes of Entry:

Inhalation: No Skin: Yes Ingestion: Yes

Health Hazards (Acute and Chronic): Harmful if swallowed. May cause eye damage. Can cause skin irritation. FEMA-GRAS: RTFM Lists acute oral LD₅₀ (RAT) > 5 g./kg

Irritation – Mildly irritating – none in 10% Petrolatum. Sensitization – None in 10% Petrolatum.

ORANGENE -

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A

Signs and Symptoms of Exposure: Redness of skin, burning, drying and cracking. Eyes tearing, stinging, redness, swelling.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin disorders.

Emergency and First Aid Procedures:

Eyes: Flush with water and get medical attention.

Skin: Wash immediately with soap and water.

Ingestion: Consult physician.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Small spills should be absorbed by dirt, sand or other suitable absorbents for disposal. Large spills can be diked with dirt, then pumped to tank truck for disposal.

Waste Disposal Method: Dispose in landfill approved for same, away from water supplies. Burning is an alternate method. Observe local, county, state and federal regulations.

Precautions to be taken in handling and storing: Usual precautions for combustible liquids.

Other Precautions: All handling equipment should be electrically grounded.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Not normally required unless vapor concentrations become too high.

Ventilation: Local exhaust should be adequate.

Protective Gloves: Chemically resistant gloves.

Eye Protection: Splash goggles/face shield.

Other Protective Clothing or Equipment: Not usually needed.

Work/Hygienic Practices: Wash thoroughly after use.

DATE PREPARED: APRIL 2010

This information herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, Expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information. The user assumes all liability for any failure to adhere to recommended practices, or from any hazards inherent in the nature of this product.

This form complies with OSHA Form 174.