

HAZARD RATINGS		
	HMIS	NFPA
Health	1	1
Fire	0	0
Reactivity	0	0

# MATERIAL SAFETY DATA SHEET

**Product:** Orangeforce

**Item No:** 80601, 80605, 80630, 80655

## Section I - Product Identification and Company Info.

**Product Name:** Orangeforce

**Product Item No:** 80601, 80605, 80630, 80655

**Product Use:** General Purpose Cleaner/Degreaser

**Manufacturer's Name & Address**

Chemcor Chemical Corp.

13770 Benson Ave.

Chino, CA. 91710

**General Information:** (909) 590-7234

**Emergency Information:** INFOTRAC (800) 535-5053

**CAS NO:** n/a - Mixture

## Section II - Hazardous Ingredients

Hazardous Components	CAS #	Exposure Limits	
		OSHA PEL	ACGIH TLV
D-limonene	5989-27-5	not est.	not est.
Non-Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Nonylphenol Ethoxylate	9016-45-9	not est.	not est.

## Section III - Physical Data

**PHYSICAL STATE:** Liquid **ODOR:** Citrus/Orange **APPEARANCE:** Orange  
**VAPOR PRESSURE (mm Hg):** n/a **BOILING POINT:** >212° F  
**pH:** 8.8 **SOLUBILITY IN WATER:** 100%  
**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.01 **FLASH POINT:** None  
**VAPOR DENSITY (AIR=1):** >1 (heavier than air)  
**EVAPORATION RATE (WATER=1):** <1 (slower than water)

## Section IV - Fire and Explosion Data

**FLAMMABILITY:** No

**EXTINGUISHING MEDIA:** Water (X), Carbon Dioxide (X), Dry Chemical (X), Foam (X), Other ( )

**SPECIAL FIRE FIGHTING PROCEDURES:** Avoid breathing of vapors. Apply water spray to cool fire-exposed containers and structures. Use water spray to disperse vapors. Use Self Contained Breathing Apparatus (SCBA) or NIOSH approved respirator and protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** If material is released, area will become slippery.

## Section V - Reactivity Data

**STABILITY:** Stable

**INCOMPATIBILITY (MATERIALS TO AVOID):** None.

**HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>, nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Extreme heat or flame. Avoid contact with soft metals. Keep from freezing.

## Section VI - Health Hazard Data & First Aid

**ROUTES OF ENTRY:** Inhalation: (X), Ingestion: (X), Dermal: (X), Eye Contact (X)

**EFFECTS OF OVER EXPOSURE:**

**SKIN:** May cause irritation or burns on prolonged contact.

**EYES:** Product is a severe irritant on contact. May cause corneal damage and/or blindness.

**INGESTION:** May cause damage to mucous membranes of the mouth, esophagus, stomach and bronchial tract.

**INHALATION:** Moderate irritant to the respiratory tract. May cause coughing, headache, nausea and vomiting.

**CARCINOGENITY:** NTP NO IRAC NO OSHA NO

## Section VI - Health Hazard Data & First Aid cont'd.

### EMERGENCY AND FIRST AID PROCEDURES:

**GENERAL:** If a known exposure occurs or is suspected and is determined to be a health threat or if any symptoms persists, contact a physician, the nearest hospital, or the nearest Poison Control Center. Inform the person contacted of the type and extent of the exposure, describe the victim's symptoms and follow the advice given.

**SKIN:** Immediately remove contaminated clothing. Flush all affected areas with large amounts of water for at least 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice immediately if irritation persists. Wash contaminated clothing prior to reuse.

**EYES:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids with water. DO NOT attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue the flushing for an additional 15 minutes if the physician is not immediately available.

**INGESTION: DO NOT INDUCE VOMITING.** Immediately give large quantities of water or milk, if available. If vomiting does occur, give fluids again. Never give anything by mouth to an unconscious person. Call a physician of the nearest Poison Control Center immediately.

**INHALATION:** Remove from contaminated atmosphere. If breathing has ceased, clear the victim's airway and start mouth-to-mouth artificial respiration, which may be supplemented by the use of a bag-mask respirator, or a manually-triggered, oxygen supply capable of delivering 1 liter/second or more. If the victim is breathing, oxygen may be administered from a demand-type or continuous-flow inhalator, preferably with a physician's advice. Contact a physician immediately.

## Section VII - Precautions for Safe Handling & Use

**WASTE DISPOSAL METHOD:** Dispose of in accordance with all Local, State and Federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a tightly closed container. Do not store near oxidizers, alkalies, acids and bleach. Do not mix with other chemicals. Store away from excessive heat. Do not freeze. Keep away from food stuffs. Keep out of reach of children.

**STEPS TO BE TAKEN IN CASE OF SPILL OR RELEASE:** To contain spilled material, dike area involved. To absorb product, use porous material such as diatomaceous earth, sand or a commercial absorbent. Using a shovel, place into leak proof containers.

## Section VIII - Control Measures

**RESPIRATORY PROTECTION (SPECIFIC TYPE):** None needed for normal clean up. If mist or vapor may be generated, a Self Contained Breathing Apparatus (SCBA) or NIOSH approved respirator is advised.

**VENTILATION:** Provide adequate ventilation or use mechanical devices.

**PERSONAL PROTECTION EQUIPMENT:** Protective clothing.

**PROTECTIVE GLOVES:** Rubber type. Chemical resistant.

**EYE PROTECTION:** Safety splash monogoggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Solvent resistant boots & clothing. Have clean water available for washing.

**WORK/HYGIENE PRACTICE:** Avoid accidental spills on skin, wash after use. Wash contaminated clothing prior to reuse.

## Section IX - Transportation Information

**PACKAGE SIZE:** All Sizes

**COMPOUNDS,** Cleaning Liquid

**DOT LABEL:** None.

**PLACARD:** None.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.