

# MATERIAL SAFETY DATA SHEET

BE SAFE!  
READ OUR PRODUCT  
SAFETY INFORMATION  
AND  
PASS IT ON

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PRODUCT NAME Orange Peel		CHEMICAL COMPOSITION Modified aliphatic hydrocarbon (citrus terpene) solvent	
ACUTE HEALTH 1	FIRE 2	REACTIVITY 0	HAZARD RATING LEAST - 0 HIGH - 3 SLIGHT - 1 EXTREME - 4 MODERATE - 2 <b>See Section IV and V</b>

## SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

CHEMICAL NAME	CAS #	ACGIH PEL	OSHA TLV	OTHER	APPROX. %
Non hazardous ingredients					65-95
Aliphatic hydrocarbons (d-lemonene)	5989-27-5	-	-		5-35
emulsifiers (trade secret)					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F)	212-345	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	.90 ± .05
VAPOR PRESSURE (mm Hg.) at 68°F	1	pH	9-10 when mixed with water
VAPOR DENSITY (Air=1) at 68°F	2-4.7	VOLATILE ORGANIC CONTENT (grams per liter in water)	N/A
EVAPORATION RATE (Burl Acetate=1)	< 1	DECOMPOSITION TEMP.	N/A
SOLUBILITY IN WATER, %	Emulsifiable	PERCENT VOLATILE BY WEIGHT	N/A
APPEARANCE AND ODOR:	Colorless liquid with pleasant orange odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:	FLAMMABLE LIMITS	LEL .6	UEL N/A
<b>COMBUSTIBLE</b> ground transportation	FLASH POINT (Method Used):	Above 120°F T.C.C.	
<b>FLAMMABLE:</b> Air, Marine, International Shipments			
EXTINGUISHING MEDIA:	Foam, CO <sub>2</sub> , steam, water fog, dry chemicals		
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Either the liquid or vapor may settle in low areas or travel some distance along the ground or its surface to ignition sources where they may ignite or explode.		
SPECIAL FIRE FIGHTING PROCEDURES:	Do not use water stream. Avoid breathing vapors. Person exposed to combustion should should wear self contained breathing apparatus and full protective equipment.		

## SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY:	<input checked="" type="checkbox"/> INHALATION	<input checked="" type="checkbox"/> SKIN	<input checked="" type="checkbox"/> INGESTION	OSHA
CANCER CAUSING AGENT:	N/A	<input type="checkbox"/> NTP	N/A	<input type="checkbox"/>
EFFECTS OF ACUTE AND CHRONIC OVEREXPOSURE:	1. Eye irritant; can cause skin irritation; can defat skin.			
	2. Overexposure can lead to upper respiratory irritation; swallowing can cause gastrointestinal irritation, nausea, vomiting and diarrhea.			
MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:	Pre-existing eye, skin and respiratory disorders.			
EMERGENCY AND FIRST AID PROCEDURES: INHALATION:	If affected by inhalation of vapor, remove to fresh air. Restore breathing; treat symptomatically; consult physician			
EYES:	Flush immediately with large amounts of water for at least 15 minutes. Get medical attention.			
SKIN:	Wash affected areas with soap and water. Remove contaminated clothing; consult physician if irritation persists.			
INGESTION:	Consult physician or poison control center immediately. Drink two glasses of water and induce vomiting, never give anything by mouth to unconscious person.			

(Continued on reverse side)

## SECTION VI - REACTIVITY DATA

STABILITY:	UNSTABLE		HAZARDOUS	WILL OCCUR	
	STABLE	X	POLYMERIZATION	WILL NOT OCCUR	X
CONDITIONS TO AVOID: Heat, sparks, flames					
INCOMPATIBILITY (Materials to avoid): Nitric acid, sulfuric acid, strong oxidizing agents					
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, if burned with insufficient air, various hydrocarbons, etc.					

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition (flames, hot surfaces; electric, static or friction sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools. Do not smoke when working with product. Do not pick up solution with automatic scrubber or wet pick-up vacuum.

WASTE DISPOSAL METHOD: Dispose of in accordance with state or local regulations. EPA Hazardous Waste Classification: Ignitable Liquid. Incinerate in approved facility; do not incinerate closed container. Do not dispose of in storm drains or waterways.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: In inadequately ventilated areas, use NIOSH approved organic cartridge respirator.

VENTILATION: Mechanical (Spark proof) to keep below permissible level

EYE PROTECTION: Chemical splash goggles with side shields

PROTECTIVE GLOVES: Solvent resistant gloves

OTHER PROTECTION EQUIPMENT: Wear protective clothing and boots to avoid contact with skin. Refer to OSHA Standard 29 CFR 1910.94 for technical guidelines on keeping air contamination below acceptable exposure limits.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed when not in use. Do not store at temperatures above 110°F. Store with adequate ventilation.

OTHER PRECAUTIONS: "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OR IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty containers should be completely drained, properly bunged and promptly returned to a container reconditioner, or properly disposed of.

## SECTION X - SARA TITLE III SECTION 313 REPORTING INFORMATION

INGREDIENTS:	CAS #	% MAX	DE MINIMIS CONCENTRATION	REPORT SPILL QUANTITY
			N/A	

## SECTION XI - STATE & OSHA COMPOSITION INFORMATION


## SECTION XII - REGULATORY INFORMATION

D.O.T.: HAZARD CLASS.	PROPER SHIPPING NAME (MATERIAL DESCRIPTION)	IDENTIFICATION NUMBER
COMBUSTIBLE LIQUID	COMPOUND CLEANING LIQUID	NA 1993

Transport, handle, and store in accordance with OSHA Regulation 29 CFR 1910.106 and applicable D.O.T. Regulations.