

# MATERIAL SAFETY DATA SHEET

Prepared According to 29 CFR 1910, 1200

N/A (Not Applicable) N/E (Not Established)

## SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Orange 90  
GENERIC NAME: Degreaser

CHEMICAL FAMILY: Liquid Mixture  
PROPER SHIPPING NAME: Terpene Hydrocarbons,  
N.O.S., 3, PGIII, UN2319

## HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HEALTH	_____	1
FLAMMABILITY	_____	2
REACTIVITY	_____	0
PERSONAL PROTECTION	_____	B

## HAZARD RATING

4 = EXTREME  
3 = HIGH  
2 = MODERATE  
1 = SLIGHT  
0 = INSIGNIFICANT

## SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	TLV	% WT (OPT)
Orange Terpenes	5989-27-5	N/E	<100%

## SECTION IV - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None normally required  
PROTECTIVE GLOVES: Rubber or neoprene  
EYE PROTECTION: Chemical safety goggles  
VENTILATION: Room ventilation is normally adequate  
OTHER PROTECTIVE EQUIPMENT: Sufficient to prevent skin contact. Eyewash and shower located near the workplace.

## SECTION VI - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 115°F TCC  
UPPER EXPLOSIVE LIMIT: N/E LOWER EXPLOSIVE LIMIT: N/E  
EXTINGUISHING MEDIA: Water spray, dry chemicals, foam or carbon dioxide  
SPECIAL FIRE FIGHTING PROCEDURES: Treat as a chemical fire. Use self contained breathing apparatus and evacuate all unnecessary personnel from the area.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

## SECTION VII - FIRST AID

EYES: Flush with water for at least 15 minutes, be sure to keep eyelids opened. Get immediate medical attention if irritation persists.  
SKIN: Wash with plenty of soap and water. Wash contaminated clothing before wearing. Get medical attention if irritation persists.  
INGESTION: Give milk or water to dilute. INDUCE VOMITING. Get immediate medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
INHALATION: If affected by fumes, remove victim to fresh air. If person is having difficulty in breathing, perform artificial respiration and get immediate medical attention. Aspiration of substantial amounts of irritant liquids into the lungs can be fatal.

## SECTION IX - STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use common sense and sound industrial hygiene practices when handling this material as well as any other materials. Keep container closed when not in use. Wash hands after handling. Keep out of reach of children. Wear appropriate personal protection to avoid eye and skin contact.

Manufactured By: WARSAW CHEMICAL CO., INC.  
390 Argonne Road, P.O. Box 858  
Warsaw, IN 46581  
219-267-3251 FAX: 219-267-3884  
INFOTRAC 24-hour emergency response number 1-800-535-5053

## SECTION X - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all ignition sources. Wear necessary personal protective equipment. Evacuate all unnecessary personnel. Dike area to prevent spreading of the spilled material. Cover with an inert absorbent (sand, clay, etc.), shovel into appropriate containers, and dispose of in accordance with federal, state, and local regulations.  
EMPTY CONTAINERS DISPOSAL: Any disposal practices must be in compliance with federal, state and local laws. Any questions regarding disposal should be directed to the proper government agency.

## SECTION III - PHYSICAL DATA

PHYSICAL DESCRIPTION: Colorless to pale yellow oil, citrus scent  
BOILING RANGE (°F): N/E  
VAPOR PRESSURE: N/E  
% VOLATILE: <100%  
SOLUBILITY IN WATER: Complete  
SPECIFIC GRAVITY: .84  
EVAPORATION RATE: N/E  
pH:

## SECTION V - REACTIVITY DATA

STABILITY: Stable  
INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: CO or CO2 and smoke on combustion

HAZARDOUS POLYMERIZATION: Will not occur

## SECTION VIII - HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE (Primary Route of Entry)  
SKIN: Irritant  
EYES: Severe irritation  
INHALATION: Irritation to respiratory tract, nausea, dizziness or headache  
CARCINOGENS: None suspected  
NTP: OSHA:  
IARC: ACGIH:  
OTHER: