

Section 1 – Identification
Product Name: ORANGE SOLVENT

Manufacturer: Mizzy

 A division of Keystone Industries
 52 W King St
 Myerstown, PA 17067

Chemical Name: N/A

Emergency Phone Numbers: (800) 535 - 5053

Information Contacts: (800) 333-3131

Family: Petroleum hydrocarbons

Product Use: PIP Solvent

Product #: 6120800

Section 2 – Hazards Identification
EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- May cause eye and skin irritation
- May cause digestive and respiratory tract irritation
- Please read entire MSDS for additional information

Potential Health Effects, Signs and Symptoms of Exposure:
Primary Route of Entry Inhalation, ingestion and skin. **Target Organs:** Kidneys, central nervous system, liver.

Eye Eye contact may cause moderate to high irritation.

Skin May cause slight redness. Contains a potential skin sensitizer.

Ingestion Ingestion will produce a cathartic (laxative) effect and may be irritating to the digestive tract. Aspiration into the lungs will cause lipid pneumonia.

Inhalation Can cause nose, throat and respiratory tract irritation, coughing and headache. Aspiration of liquid into lungs can cause lung damage or death.

Sub-Chronic Effects Prolonged or repeated exposure can cause drying, defatting and dermatitis of skin or oil acne.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3- Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS #	INCI Name	Exposure	Limits	Carcinogen	%
				OSHA TWA/STEL	ACGIH TWA/STEL		
Mineral Oil	8042-47-5	232-455-8				No/No/No	80-90%
D-Limonene	5989-27-5						2-10%
Lanolin USP	8006-54-0	232-348-6	Lanolin	N/E	N/E	Not Listed	0-2%
N/E – None Established	N/DA – No Data Available						
N/R – Not Reviewed	N/A – Not Applicable						

Mineral Oil: Hazard Symbol – NDA Risk Phrases – None Safety Phrases – S 24/25

D-Limonene: Hazard Symbol: Xi, N Risk Phrases: R10, R38, R43, R50/53 Safety Phrases: S24, S37, S60, S61

Lanolin USP: Hazard Symbol – NDA Risk Phrases – R65 Safety Phrases – S2, S23, S24, S62

See Section 16 for Risk and Safety Phrase Key

Section 4 – First Aid Measures
First Aid for Eye Remove contact lenses at once. Immediately flush with large amounts of water, occasionally lifting upper and lower lids, for 15-20 minutes. Get medical attention if irritation persists.

First Aid for Skin Wash affected area with large amounts of soap and water for approximately 15 –20 minutes. Get medical attention if irritation persists.

First Aid for Inhalation Remove to fresh air immediately. If symptoms persist, seek medical attention.

First Aid for Ingestion Rinse mouth with water, then drink one glass of water. Contact doctor immediately. Never give anything by mouth if victim is unconscious, rapidly losing consciousness or convulsing. Do not induce vomiting. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Get immediate medical attention

Section 5 – Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
309°F/154°C	LEL: N.AV UEL: N.AV.	N.AV

Method:

Extinguishing Media:	Carbon dioxide, foam and dry chemical.
Fire Fighting Instructions:	Firefighters should wear self-contained breathing apparatus. Use water-spray to keep containers cool.
Unusual Hazards:	Combustible liquid. Keep away from heat, sparks and open flame. Guard against spontaneous combustion of improperly discarded oily rags. When heated above its flash point temperature, this material will release vapors which, if exposed to an ignition source, can ignite. In enclosed spaces vapors can ignite with explosive force. Mists or sprays may burn at temperatures below the flash point.

Section 6 – Accidental Release Measures

Spill or Release Procedures	Use protective gloves to avoid skin contact. Small spills can be wiped up. Large spills should be absorbed by dirt, sand or other absorbent material suitable for disposal. Do not hose spills down drains, sewers or waterways. Product may be toxic to aquatic organisms. Move leaking containers to well ventilated area. No smoking. Eliminate any source of ignition. Minimal inhalation. Use NIOSH/MSHA approved respiratory protective device. Caution: slippery on floor.
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Section 7 – Handling and Storage

Handling	Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	Store in sprinkler equipped warehouse. Avoid contact with incompatible chemicals. Store in tightly sealed, full containers. Best to store in glass, tin-lined, stainless steel or epoxy-lined containers to preserve quality. Product may expand slightly in storage causing pressure to build in container. Open container carefully if product appears to be under pressure.
Explosion Hazard	Combustible liquid. Keep away from heat, sparks and open flame. Guard against spontaneous combustion of improperly discarded oily rags.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls	Ventilate adequately
Personal Protective Equipment	
General	Local exhaust should be adequate. Mechanical ventilation otherwise recommended if necessary.
Eye/ Face Protection	Wear ANSI approved chemical worker goggles. Use ANSI approved eye wash and deluge shower.
Skin Protection	Wear impervious gloves and other clothing to prevent repeated and prolonged contact with substance.
Respiratory Protection	Not normally required, but if vapor concentration becomes high, use NIOSH/MSHA approved self-contained air mask.

Section 9 – Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	VOC (g/L)	Specific Gravity	Viscosity	% Volatile	
Clear liquid, variable colorless to yellow cast	Strong citrus odor	7 approx		(H ₂ O=1): 0.85	N.DA, mPas @20°C	95%+	
Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
420°F/232°C	N/A	N/DA	<.01	(Air=1)	N.A.V.	N/DA	Negligible

Flash Point (°F/°C) 309°F/154°C	Flammable Limit (vol%) LEL – N/DA UEL – N/DA	Auto-ignition Temperature (vol%) N/A
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Section 10 – Stability and Reactivity

Stability: Stable Hazardous Decomposition Products: Smoke may be acrid and fumes irritating. Burning generates carbon monoxide, carbon dioxide and smoke. Product is not an oxygen donor. Conditions to Avoid: Excessive heat, open flames and ignition sources. Polymerization catalysts such as aluminum chloride and acidic clays.	Incompatibility (Materials to Avoid): Strong oxidizing agents and acidic agents, including acidic clays, peroxides, halogens, vinyl chloride and iodine pentafluoride. Hazardous Polymerization: No
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Section 11 – Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation – Eye
Oral (rat): LD50>5 G/KG	Dermal (Rabbit) LD50: 9400mg/kg	Inhalation (Rabbit) LC50:2500mg/m3	Mild: 500mg/24H (Rabbit)	Mild: 550mg/24H (Rabbit)

Sensitization	Mutagenicity	Sub-chronic Toxicity
No sensitizing effects known	Mutagenic effects have been observed on tests with bacteria and laboratory animals.	Prolonged or repeated exposure can cause drying, defatting and dermatitis of skin.

RTECS #:

Section 12 – Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
Very toxic for fish	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	
Chemical Oxygen Demand	

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

Section 13 – Disposal Considerations

Incinerate or dispose of in accordance with local, state and federal regulations. For EU Member States, please refer to any relevant community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

DOT (49 CFR 172)	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	None

Emergency Response Guidebook (ERG) #:	N/A
IATA (DGR):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	None
Emergency Response Guidance (ICAO)#:	N/A
IMO (IMDG):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	N/A
Other Information:	Flash point = 309°F/154°C

Section 15 – Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAPs): <ul style="list-style-type: none"> • NONE There are no ODS's (ozone depleting substances) as defined by the U. S. Clean Air Act.
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: <ul style="list-style-type: none"> • None
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is not considered to be hazardous under the OSHA Hazard Communication Standard.
RCRA	This product contains chemicals considered to be hazardous waste under RCRA (40CFR 261): <ul style="list-style-type: none"> • None
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Section 302-304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List):
SARA Title III: Section 311-312:	This product is not considered to be hazardous under the OSHA Hazard Communication Standard.
SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: <ul style="list-style-type: none"> • None
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals in this material have a SNUR under TSCA.


State Regulations

CA Right-to-Know Law:	NONE
California No Significant Risk Level:	NONE
MA Right-to-Know Law:	NONE
NJ Right-to-Know Law:	NONE
PA Right-to-Know Law:	NONE
FL Right-to-Know Law:	NONE
MN Right-to-Know Law:	NONE

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Lanolin CAS #8006-54-0 is listed on the Canadian DSL/NDSL list D-Limonene CAS #5989-27-5 is listed on the Canadian DSL/NDSL list, B3, D2B
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Labeling according to EC directives – 1999/45/EC

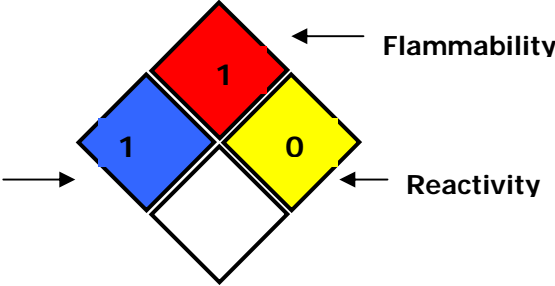
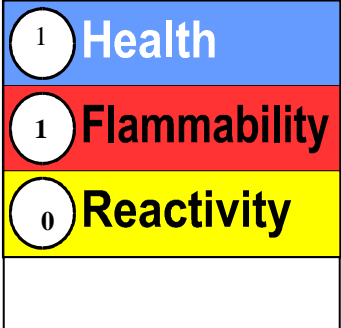
European Community: 	Orange Solvent: <ul style="list-style-type: none"> HAZARD SYMBOLS: Xi: Irritant RISK PHRASES: R38 Irritating to skin, R43 May cause sensitization by skin contact, R65 Harmful: may cause lung damage if solvent is aspirated into lungs SAFETY PHRASES: S2 Keep out of reach of children, S23 Do not breathe vapor/mist, S24/25 Avoid contact with skin and eyes, S37 Wear suitable gloves, S61 Avoid release to the environment. Refer to instructions/safety data sheets, S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
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Section 16 – Other Information

EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

Hazard Symbol: Xi – Irritants N – Dangerous for the environment Risk Phrases: R10 Flammable, R38 Irritating to skin, R43 May cause sensitization by skin contact, R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment, R65 Harmful: may cause lung damage if solvent is aspirated into lungs Safety Phrases: S2 Keep out of reach of children, S23 Do not breathe vapor/mist, S24/25 Avoid contact with skin and eyes, S37 Wear suitable gloves, S60 This material and its container must be disposed of as hazardous waste, S61 Avoid release to the environment. Refer to instructions/safety data sheets, S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
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Hazard Rating System (Pictograms)

NFPA: 	HMIS: 
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Revision History:

MSDS Prepared by	
	7/02
SWR	9/06 reviewed
SWR	8/27/09 overall format revision

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