

Safety Data Sheet

ORANGE 88 DEGREASER

UNCONTROLLED DOCUMENT

Warsaw Chemical Co., Inc. posts our Safety Data Sheets (SDS) to our company website
ONLY. Warsaw Chemical is NOT responsible for any SDS found on other sites.

Version 1.0040

Revision Date 11/22/2016

Print Date 11/30/2016



Section 1. Chemical product and company identification

Product Name: ORANGE 88 DEGREASER

Product use: Degreaser

Contact Information: Warsaw Chemical Co., Inc.
P.O. Box 858
Warsaw, IN 46581
Tel: 1.800.548.3396
Fax: 1.574.267.3884

Emergency Phone: INFOTRAC
800.535.5053 USA & Canada
352.323.3500 International

Section 2. Hazards identification

GHS Classification:

Serious eye damage/eye irritation(Category 2A)
Skin corrosion/irritation(Category 2)
Acute toxicity, oral(Category 5)

Pictogram(s):



Signal Word: WARNING

Hazard Statements:

H319 Causes serious eye irritation
H315 Causes skin irritation
H303 May be harmful if swallowed

Precautionary Statement(s):

P280 Wear protective gloves/protective clothing/eye protection/face protection

P337+313 If eye irritation persists get medical advice/attention
P302+352 IF ON SKIN: Wash with soap and water
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P332+313 If skin irritation occurs: Get medical advice/attention

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Section 3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% Less Than</u>
Solvent	94266-47-4	3.0000
Tetrasodium EDTA	64-02-8	1.0000
2-Propanol	67-63-0	4.0000
Sodium Hydroxide	1310-73-2	2.0000

The chemical identity of some or all components is confidential business information (trade secret) and is being withheld as permitted by 29CFR19191200 (i). No other ingredients known to be hazardous.

Section 4. First aid measures

Eye contact:	Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin contact:	Wash skin surfaces thoroughly after contact. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops.
Inhalation:	Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing. Get medical attention immediately.
Ingestion:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
General:	Physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities have been inhaled or ingested.

See Section 11 for exposure symptoms.

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Section 5. Fire-fighting measures

- Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.
- Protective Equipment:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.
- Additional Information:** Thermal decomposition products-carbon monoxide, sulfur oxides, metal oxide/oxides, halogenated compounds.

Section 6. Accidental release measures

- Personal Precautions:** No action should be taken involving individual risk or without suitable training. Isolate area. Avoid contact with material. Do not breath vapors. Provide adequate ventilation. Wear proper personal protective equipment.
- Environmental:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product reaches sewers, waterways or soil.
- Containment/Cleanup:** Stop leak if without risk. Move containers from spill area. Contain or absorb with inert dry material. Dispose of according to local regulations. See Section 1 for emergency contact information and 13 for waste disposal.

Section 7. Handling and storage

- Safe Handling:** Wear appropriate personal protective equipment (see Section 8). Eating drinking and smoking should be prohibited. Do not get into eyes or on skin. Do not ingest. Keep containers tightly closed. Do not reuse container.
- Safe Storage:** Store in accordance with local regulations. Store in original container away from foods, drink and incompatible materials. Keep container tightly closed. Do not store unlabeled. Use appropriate containment.

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Section 8. Exposure controls/personal protection

- Engineering Controls:** Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eyewash stations, showers where necessary.
- Eye Protection:** Safety eyewear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Respiratory Protection:** Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.
- Hand Protection:** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Skin Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

COMPONENT	ACGIH TWA ppm	OSHA/NIOSH STEL ppm	OSHA/ACGIH STEL mg/m3
Solvent	30		
Tetrasodium EDTA			15
2-Propanol	200	400	
Sodium Hydroxide	2		

Section 9. Physical and chemical properties

Physical State:	Liquid
Color:	Orange
Odor:	Citrus
Odor Threshold:	N/E
pH:	12.1
Melting Point:	N/E
Freezing Point:	N/E
Boiling Point:	N/E
Flash Point:	Nonflammable
Evaporation Rate:	N/E
Flammability:	Nonflammable
Upper Explosive Limits:	N/A
Lower Explosive Limits:	N/A
Vapor Pressure:	0.85
Vapor Density:	N/E
Relative Density:	N/E
Solubility:	Complete
Partition coefficient:	N/E
Auto-Ignition Temperature:	N/E
Decomposition Temperature:	N/E
Specific Gravity:	1.02
% Volatile:	4.2% 0.4 LB/Gallon

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Section 10. Stability and reactivity

Reactivity: Non reactive

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: None known

Conditions to avoid: Excessive heat or open flame.

Incompatible materials: Avoid contact with acidic materials and strong oxidizers.

Hazardous Decomposition Products: Under normal conditions, none are known

Section 11. Toxicological information

Routes of entry: ☐ Inhalation ☐ Absorption ☐ Ingestion

Acute Exposure Hazards:

Eye contact: Irritation, stinging, redness, burns.

Dermal: Irritation, burns upon prolonged exposure.

Oral: Nausea, vomiting.

Inhalation: Not expected route of entry. Irritation

COMPONENT	Result	Species	Dose	Exposure
Solvent	LD50 ORAL	Rabbit	>5 g/kg	
2-Propanol	LD50 ORAL	Rat	5045 mg/kg	
	LC50	Minnow	9640 mg/L	96 hours

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Section 12. Ecological information

Ecotoxicity: No data available.

Persistence & degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Component	Result	Species	Dose	Exposure
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Section 13. Disposal considerations

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of this product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14. Transport information

DOT (US)

UN Number: N/A

Shipping Name:

Technical Name:

Hazard Class:

Packaging Group: N/A

Section 15. Regulatory information

SARA 313 Components	CAS No.	% Less Than
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California Prop. 65 Components	CAS No.	% Less Than
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Section 16. Other information

Hazardous Material Information System (U.S.A.)

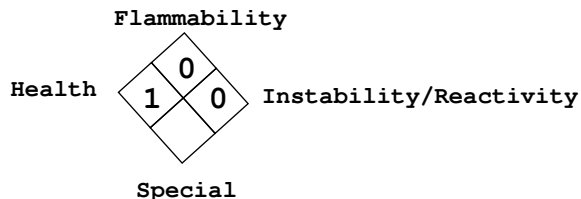
Health Hazard	①
Fire Hazard	①
Reactivity	①
Personal Protection	B

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

PERSONAL PROTECTION INDEX

A	Safety Glasses
B	Safety Glasses, Gloves
C	Safety Glasses, Gloves, Apron
D	Face Shield, Gloves, Apron
E	Safety Glasses, Gloves, Dust Respirator
F	Safety Glasses, Gloves, Apron, Dust Respirator
G	Safety Glasses, Gloves, Vapor Respirator
H	Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
I	Safety Glasses, Gloves, Dust & Vapor Respirator
J	Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
K	Airline Hood or Mask, Gloves, Full Suit, Boots
X	Consult your supervisor for special handling directions

National Fire Protection
Association (U.S.A.)



NFPA warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals.

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act of 1970 and shall not be used for any other purpose. Use or dissemination of all or any part of this information can be grounds for legal action.

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In all cases, it is the responsibility of the user to determine the applicability of such information and recommendations and the suitability of any product for its own particular purpose. All materials may represent unknown hazards and should be used with caution.