

GHS SAFETY DATA SHEET

109

Orange 88
Degreaser**NZ Supplier:**

Purewax Ltd
Unit 1, 81-83 Jervois
Road, Herne Bay,
Auckland, 1001, New
Zealand
Ph: 0800 787 399
NZ Poisons Centre 0800
POISON (0800 764 766)
Emergency Services: 111

Section 1 Identification

Product Code and Name: 109 Orange 88 Degreaser

Company Name and Address: 3D INTERNATIONAL 20724 Centre Pointe Parkway, Santa Clarita CA 91350

Business Phone: 888-999-7627

Emergency Telephone Number: CHEMTREC 1-800-424-9300 (US and Canada) All other locations 01-707-703-5000

Section 2 Hazards Identification

Classification of the Substance or Mixture: 1)ACUTE TOXICITY:ORAL,SKIN and INHALATION Category4. 2)SKIN CORROSION/IRRITATION Category2. 3) EYE DAMAGE/EYE IRRITATION Category2A

GHS label elements:



Signal Word: Warning

Hazard Statement: 1)H302 Harmful if swallowed. 2) H315 Causes skin irritation. 3)H319 Causes serious eye irritation

Precautionary Statements:

Prevention : P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves and eye protection

Response : P301 + P312 IF SWALLOWED: Call a POISON CENTER or a doctor/physician if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P321 Use Moisturizing cream.

P332 + P313 If skin irritation occurs: Get medical attention. P362 Take off contaminated clothing and wash before reuse.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical attention.

Storage: Keep closed and away from children. Keep away from heat or flame.

Section 3 Composition/Information on ingredients:

Substance/Mixture: Mixture

Product Description: Degreaser

Chemical Name:	CAS NUMBER	% IN PRODUCT
Sodium Hydroxide	1310-73-2	<3
EDTA - Biodegradable	64-02-8	<3
Sodium Metasilicate	6834-92-0	<3
Ethoxylated Alcohol	68439-46-3	3 to 5
Orange Terpenes	68647-72-3	<1.3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8

Section 4 First Aid Measures:Description of necessary first aid measures

Eye contact :	Wash eyes immediately with large amounts of water.
Inhalation:	Move person to fresh air at once. If breathing has stopped, get medical attention immediately.
Skin contact:	Wash contacted areas with mild soap and water.
Ingestion:	Do not induce vomiting. If person is conscious, give water. Get medical attention.

Most important symptoms/effects, acute and delayedPotential acute health effects

Eye contact:	Can cause severe irritation, redness, tearing, and blurred vision.
Inhalation:	Fine mist may cause irritation of the nose and throat.
Skin contact:	Any contact can cause moderate irritation
Ingestion:	Gastrointestinal irritation.

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Over-exposure signs/Symptoms

Eye contact:	Adverse symptoms may include the following:	Irritation
Inhalation:	Adverse symptoms may include the following:	No significant effect
Skin contact:	Adverse symptoms may include the following:	Irritation
Ingestion:	Adverse symptoms may include the following:	Gastrointestinal irritation

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled
Specific treatments:	No specific treatment
Protection of first -aiders:	No action should be taken involving any personal risk or without suitable training. Wash contaminated clothing thoroughly with water before removing it.

Section 5 Fire Fighting MeasuresExtinguishing Media

Suitable extinguishing media	Regular Foam, Waterfog, Carbon Dioxide, or Dry Chemicals
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products

Special protective actions for fire-fighters	If there is a fire, Promptly isolate the scene by removing all persons from the vicinity of the incident..
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous Decomposition:	Oxides of carbon or traces of hydrocarbons may be formed in small amounts.
Special Fire Fighting Procedures:	Clear fire area of personnel. Do not enter confined fire area without full bunker gear and positive pressure breathing apparatus.
Unusual Fire / Explosion Hazards:	Not Listed

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in for "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose via a licensed waste contractor. Contaminated absorbent material may pose the same hazard as

Use Gloves, Goggles, Boots and Breathing Mask. Small amounts do not need special measures. Clean up with water. For large spills remove all sources of ignition. Ventilate area. Absorb with an inert absorbent material. Avoid runoff into drains and sewers. All used and unused product should be disposed of in conformance with local, state, and federal regulations

Section 7 Handling and Storage

Precautions for safe handling: Put on appropriate protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternate made from a compatible material, keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Do not reuse container. Wash thoroughly after use.

Conditions for safe storage: Store in original container protected from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10) and food and drink. Do not store in unlabeled

Store materials tightly closed and away from sunlight, warm confined spaces, heat and open flame. Never weld on or near containers either empty or full. Secure all chemicals out of the reach of children.

Section 8: Exposure Controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	CAS #	PEL/OSHA	TLV-ACGIH
Sodium Hydroxide	1310-73-2	2mg/Cubic M	2mg /Cubic M
EDTA - Biodegradable	64-02-8	50 ppm	25 ppm
Sodium Metasilicate	6834-92-0	3 Mg/Cubic M	3 Mg/Cubic M
Ethoxylated Alcohol	68439-46-3	Not Applicable	Not Applicable
Orange Terpenes	68647-72-3	Not Established	Not Established

Appropriate engineering controls: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants

Individual protection measures

Hygiene Measures: Wash hands forearms and face thoroughly after handling chemical products

Eye/face protection: Wear chemical safety goggles

Skin protection: Avoid skin contact. Wear chemical resistant impermeable gloves

Respiratory protection: None

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Section 9: Physical and chemical properties

Physical state	Orange Liquid, Citrus S	Specific Gravity:	1.02
Color:	Orange	Vapor Pressure:	<1 (low volatile)
Odor:	Citrus	Volatiles:	98%
pH:	12	Vapor Density:	>1 Fall in air
Boiling Point:	>211 °F	Solubility:	100%
Flash point:	None	Evaporation Rate:	<=Water

Volatile Organic Compound (VOC) content for Consumer Products Applications Percent by weight: 1%

Section 10. Stability and reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients
Chemical stability:	The product is stable
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur
Conditions of instability:	When exposed to high temperatures colors may fade and bottles may panel
Conditions to avoid:	
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity Not classified

Irritation/corrosion

<u>Eyes</u>	<u>Skin</u>	<u>Inhalation</u>	<u>Ingestion</u>
Irritation	Irritation	No significant effect	Gastrointestinal irritation

Sensitization There is no data available

Mutagenicity There is no data available

Carcinogenicity There is no data available

Reproductive toxicity There is no data available

Teratogenicity There is no data available

Specific target organ toxicity (single exposure) There is no data available

Specific target organ toxicity (repeated exposure) There is no data available

Aspiration hazard There is no data available

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects Not available

Potential delayed effects Not available

Long term exposure

Potential immediate effects Not available

Potential delayed effects Not available

Potential Chronic health effects

General Not known significant effects or critical hazards

Carcinogenicity Not known significant effects or critical hazards

Mutagenicity Not known significant effects or critical hazards

Teragenicity Not known significant effects or critical hazards

Developmental effects Not known significant effects or critical hazards

Fertility effects Not known significant effects or critical hazards

Section 12. Ecological information

Toxicity:	Not available
Persistence and degradability:	Not available
Bioaccumulative potential	Not available
Mobility in soil: soil/water partition coefficient (Koc):	Not available
Other adverse effects:	No known significant effects or critical hazards

Section 13. Disposal considerations

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the sewer but processes in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	None	None	None
Transport hazard class(es)	Not classified as Hazardous for Transport	Not classified as Hazardous for Transport	Not classified as Hazardous for Transport
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	No	No	No
Special precautions for user	Not available	Not available	Not available
Additional information			

Special precautions for user Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	Not listed
Clean Air Act Section 602 Class I Substances	Not listed
Clean Air Act Section 602 Class II Substances	Not listed
DEA List I Chemicals (Precursor Chemicals)	Not listed
DEA List II Chemicals (Essential Chemicals)	Not listed
SARA 302/304/311/312 extremely hazardous substances:	Not applicable
SARA 302/304 emergency planning and notification:	Not Applicable
SARA 302/304/311/312 hazardous chemicals:	No products were found

Section 16. Other information

Version	Feb/2012	NFPA Ratings: Health	1
Date of issue	5/27/2015	Flammability	0
		Reactivity	0

Disclaimer of Liability:

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