

Safety Data Sheet: ORCAN Heavy Duty Degreaser / Cleaner

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Section 1: IDENTIFICATION

Product Name: ORCAN Heavy Duty Degreaser / Cleaner

Company: ORCAN Solutions Inc.
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Recommended Use: See Technical Data Sheet

Restrictions on Use: See Technical Data Sheet

Section 2: HAZARDS IDENTIFICATION

This product is not classified as hazardous under 2012 OSHA Hazard Communication Standards (29CFR 1910.1200).

OSHA HCS 2012

Label Elements

Signal Word: None

Hazard Symbol(s)/Pictogram(s): None required

Hazard Statements: None

Precautionary Statements: Caution: Keep Out of Reach of Children.

Hazards Not Otherwise Classified (HNOC): None

Other Information: None Known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	>90% *
Proprietary Chelates	Proprietary	> 2% *
Proprietary Surfactants	Proprietary	> 2% *
Proprietary Solvents	Proprietary	< 2% *

**specific percentages and ingredients of composition are being withheld as a trade secret per 29CFR 1910.1200 (i)*

Section 4: FIRST-AID MEASURES

Inhalation: Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.

Skin Contact: Non skin irritant. If adverse effect occurs, rinse skin with water.

Eye Contact: Mild eye irritant. If adverse effect occurs, flush eyes with water.

Ingestion: Do not induce vomiting. Drink plenty of water to dilute. Seek Medical Attention.

Most important Symptoms/Effects, Acute and Delayed: None known

Indication of Immediate Medical Attention and Special Treatment Needed, if necessary: Treat symptomatically

Section 5: FIRE-FIGHTING MEASURES

Suitable & Unsuitable Extinguishing Media: Use dry chemical, CO₂.

Specific Hazards Arising from Chemical: In event of fire, fire created carbon oxides may be formed.

Special Protective Actions for Fire-Fighters: Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

This product is non-flammable. See Section 9 for Physical Properties.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid contact with eyes.

Environmental Precautions: Concentrate should be diluted before disposal.

Methods and Materials for Containment and Clean Up: Small spills can be flushed into normal drainage with copious amounts of water. Large spills should be contained by diking or taken up with absorbent material and held for disposal.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Ensure adequate ventilation. Keep out of reach of children.

Conditions for Safe Storage including incompatibilities: Keep container tightly closed. Keep in cool dry area. Store at temperatures above 60 F and below 120 F. If separation occurs, mix the product for reconstitution.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering Controls: Showers, eyewash stations, and ventilation systems

Individual Protection Measures / Personal Protective Equipment (PPE):

Eye Contact: Use protective glasses or safety goggles if splashing or spray-back is likely.

Respiratory: Use in well ventilated areas or local exhaust ventilations when cleaning in small spaces.

Skin Contact: Use protective gloves (any material) when used for prolonged periods or dermally sensitive.

General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless Liquid	Partition Coefficient: n-octanol/water:	Not determined
Odor:	Characteristic	Autoignition Temperature:	Non-flammable
Odor Threshold:	Not determined	Decomposition Temperature:	Not determined
pH ASTM D-1293:	12.0-13.0	Viscosity:	Like water
Freezing Point ASTM D-1177:	0-33.3 ° C (32-38 ° F)	Specific Gravity ASTM D-891:	1.055
Boiling Point & Range ASTM D-1120:	100 ° C (212 ° F)	Flash Point ASTM D-93:	>212 ° F
Evaporation Rate ASTM D-1901:	Same as Water		
Flammability (solid, gas):	Not Applicable		
Upper/Lower Flammability or Explosive Limits:	Not Applicable	VOC Composite Partial Pressure:	Not determined
Vapor Pressure ASTM D-323:	N/A	Relative Density ASTM D-4017:	
Vapor Density:	Not determined	Solubility:	100% in water

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 cold.
Incompatible Materials:	Do not mix oxidizers, acids, or disinfecting agents.
Hazardous Decomposition Products:	Normal products of combustion – CO, CO ₂ .

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation -	Overexposure may cause headache.
	Skin Contact -	Non skin irritant, repeated contact may cause dry skin.
	Eye Contact -	Mild irritant, redness and pain may develop.
	Ingestion -	May cause upset stomach and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under normal use conditions.
Delayed and immediate effects and or chronic effects from short term exposure: no symptoms expected under normal use conditions.
Delayed and immediate effects and or chronic effects from long term exposure: headache, dry skin, skin or eye irritation may occur.
Interactive effects: Not known.

Numerical Measures of Toxicity

Acute Toxicity:	Oral LD ₅₀ (rat)	>2 g/kg body weight (surfactants)
	Dermal LD ₅₀ (rabbit)	>5 g/kg body weight

Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labeling of Chemicals

Skin Corrosion/Irritation: Non-irritant.

Eye Damage/Irritation: Mild irritant

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Not available
Aquatic:	Not available
Terrestrial:	Not tested on finished formulation.
Persistence and Degradability:	Readily Biodegradable
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	No data available.

Section 13: DISPOSAL CONSIDERATIONS

Unused or Used Liquid: May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal.

Empty Containers: May be offered for recycling.

Never dispose of used degreasing rinses into lakes, streams, and open bodies of water.

Section 14: TRANSPORT INFORMATION

U.N. Number:	Not applicable	U.N. Proper Shipping Name:	Cleaning Compound, Liquid NIO
Transport Hazard Class(es):	Not applicable	HS Code Number:	3401.20
Packing Group:	Not applicable	Class:	55
Environmental Hazards:			
Transport Hazard Classes:			
U.S. (DOT) / Canadian TDG:	Not Regulated for shipping.	ICAO/IATA:	Not classified as Hazardous.
IMO/IDMG:	Not classified as Hazardous.	ADR/RID:	Not classified as Hazardous.
Special precautions for user:	None known		

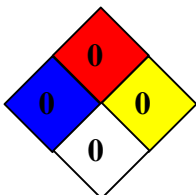
Section 15: REGULATORY INFORMATION

All components are listed on:	TSCA and DSL inventory.
SARA Title III:	Sections 311/312 Hazard Categories – Not applicable. Section 313 Superfunds Amendments and Reauthorizations Act of 1986 – Not applicable. Section 302 – Not applicable.
Clean Air Act (CAA):	Not Applicable.
Clean Water Act (CWA):	Not Applicable.
State Right To Know Lists:	No Ingredients listed.
California Proposition 65:	No Ingredients listed.

Section 16: OTHER INFORMATION

NFPA:	
Flammability – Non-flammable	Special – None
Health – None	Stability – Stable

Health	0
Fire Hazard	0
Reactivity	0
Special	0



Rating Scale

0 = minimal 1 = slight
2 = moderate 3 = serious
4 = severe

Acronyms

NTP	National Toxicology Program	IARC	International Agency for Research on Cancer
OSHA	Occupational Safety and Health Administration	CPSC	Consumer Product Safety Commission
TSCA	Toxic Substances Control Act	DSL	Domestic Substances List

Prepared / Revised By:

ORCAN Solutions Inc, Regulatory Affairs Department

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best knowledge, information and belief at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

