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MATERIAL SAFETY DATA SHEET

ULTRA ONE

HD

Manufacturer: ULTRA ONE
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Country: U.S.A.
Telephone: 908-684-5444 / Fax: 908-684-5455
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IDENTIFICATION OF THE PREPARATION:

Commercial name: Heavy Duty Degreaser

COMPOSITION / INFORMATION ON INGREDIENTS:

DESCRIPTION: Detergent containing surfactants and mineral substances.

IDENTIFICATION:	CAS Number	
Sodium metasilicate:	6834-92-0	0 - 2 %
Surfactants:		4 - 10 %
Remaining substance:	Water	

HAZARD IDENTIFICATION: Moderate irritant to the eyes; mild irritant to skin.

FIRST AID MEASURES:

Contact with skin: None
Contact with eyes: Rinse eyes with plenty of water for 10 minutes, lift upper and lower eyelids from time to time. Get medical advice if needed.
Ingestion: Drink plenty of water, do not induce vomiting. High concentrate: get medical attention.

FIRE-FIGHTING MEASURES: Non-combustible material.

Particular hazards arising from the product itself, from the products of combustion or from resulting gases: No hazardous decomposition products. No hazardous reactions.
Particular fire-fighting equipment: None required.

ACCIDENTAL RELEASE MEASURES:

Personal precautions: Avoid contact with eyes.
Measures to protect the environment: Concentrate should be diluted before disposal.
Methods for cleaning/removal: Flush the spill with lots of water.

HANDLING AND STORAGE:

Safe handling indications: Avoid splashing. Avoid contact with eyes.
Requirements for storage rooms or containers: Keep container closed. Keep from freezing.

EXPOSURE CONTROLS / PERSONAL PROTECTION:

Ingredients with workplace related threshold limit values which require monitoring: None required
Respiratory protection: None required
Eye protection: Wear safety glasses
Skin protection: None required

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Liquid
Color: Colorless
Odor: Odorless
pH: Conc.: 12.9, diluted 1/10: 11.9
Boiling point / boiling range: 100°C (water)
Melting point / melting range: 0°C (water)
Flash point:
Flammability (solid, gases): Not applicable
Auto-ignition temperature: Not applicable
Explosive properties: Not applicable
Vapor pressure:
Specific gravity (water = 1): 1.05
Water solubility: Totally soluble in water
Partition coefficient (n-octanol/water):
Other: Phosphate free

STABILITY AND REACTIVITY:

Conditions to avoid: None
Materials to avoid: None
Hazardous decomposition products: None

TOXICOLOGICAL INFORMATION:**ACUTE TOXICITY**

Relevant LD₅₀ values for classification

Oral (Surfactants): Acute oral LD50 in rats: > 2 g/kg b.w.

IRRITATION

Skin: Mild irritant.
Eyes: Moderate irritant, redness and pain may develop.

ECOLOGICAL INFORMATION:

PREPARATION: Data on elimination (persistence and degradability) - Surfactants:

Primary degradation: > 90 %

ECOTOXICOLOGICAL EFFECTS - Aquatic toxicity:

Surfactant 1:
96h-LC50 (Rainbow trout) 30 mg/l

Surfactant 1:
48h-EC50 (Daphnia) 13 mg/l

Surfactant 2:
96h-LC50 (Rainbow trout) 1 - 10 mg/l

Surfactant 2:
48h-EC50 (Daphnia) 1 - 10 mg/l

DISPOSAL CONSIDERATIONS: According to federal or state legislation.

TRANSPORT INFORMATION:

Land transport:	Class: None
Inland waterways transport:	Class: None
Sea transport:	Class: None
Air transport:	Class: None

REGULATORY INFORMATION:

"ULTRA ONE" degreaser, a water-based emulsion, is considered non-hazardous under the OSHA hazard communication standard (29 CFR 1910-1200). None of the product's ingredients are found on any list of hazardous carcinogenic or banned chemical agents or materials generated by them. This product contains no chemicals subject to SARA title 3, section 313, part 372 reporting requirements.

This product conforms to EPA norms and guidelines as related to environmentally safe degreasers.

This material safety data sheet and the information it contains are offered to you in good faith as accurate. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No warranty is made either expressed or implied and the supplier can assume no responsibility for accuracy or completeness of the data contained in this safety data sheet.



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ULTRA ONE PRODUCTS SPECIFICATIONS

PRODUCT BASE

Aqueous / Alkaline

pH RANGE

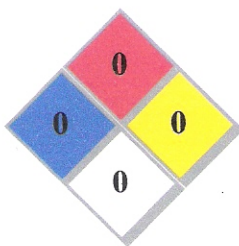
Ultra One G5
 Ultra One Heavy Duty

12.4
 12 to 12.8

HAZARDS IDENTIFICATION

Hazard Rating (NFPA / HMIS)

Health	0
Fire Hazard	0
Reactivity	0
Special	0



Rating Scale

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

VOC

Volatile Organic Compounds

Ultra One Products = 0 g / L

HANDLING

Fire
 Reactivity
 Storage
 Spills

None
 None
 Keep from freezing
 Rinse away with water if required

VENTILATION

None required / Natural ventilation

PERSONAL PROTECTION

Eyes
 Skin
 Respiratory

None normally required. Avoid eye contact.
 None required. Individuals with hypersensitive skin may want to wear gloves
 None

SYMPTOMS OF OVER EXPOSURE

Eyes
 Skin
 Inhalation
 Ingestion

Mild eye irritant
 Non-toxic. Extensive use could cause drying
 None
 Non-toxic. May cause some gastrointestinal upset (mild diarrhea) if enough is consumed.

FLAMMABILITY

Non-flammable