



A Plus Heavy Duty Warewashing Detergent

Material Safety Data Sheet

Section 1: Chemical Product and Company Identifications

Product Name:	A Plus Heavy Duty Warewashing Detergent
Manufacturer's Name:	A Plus Lab
Address:	3921 81 Ave #104, Leduc, AB T9E 8S6
Tel:	780-800-0234
Applications:	Dish Wash Liquid for Auto Dish wash
Date of MSDS:	Sep. 2024
Telephone Number of Preparer:	519-701-3581

Section 2: Composition / Information on Ingredients

Active Ingredients	Percentage (w/v)	CAS Number
Sodium Hydroxide	5%-10%	1310-73-2
Trisodium NTA	1%-5%	5064-31-3
Sodium Polyacrylate	1-5%	4779003
Water	70-8-%	NA

Section 3: Hazardous Identification

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Eye contact, skin contact, inhalation

Eye Contact: Causes severe irritation.

Skin Contact: May cause slight redness. Prolonged or repeated exposure may cause drying of the skin.

Inhalation: May cause nose, throat, and respiratory tract irritation, coughing, headache.

Ingestion: Likely to be toxic, may cause vomiting, headache, or other medical problems.

Medical Conditions Aggravated By Exposure: May irritate the skin of people with pre-existing skin conditions.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

Section 4: First Aid Measures

Eye Contact: In case of contact, thoroughly flush eyes with plenty of water for at least 10 minutes. If irritation persists, get medical attention immediately.

Skin Contact: In case of contact, thoroughly flush skin with plenty of water for at least 10 minutes. Remove contaminated clothing and shoes. If irritation persists, get medical attention. Clean contaminated clothing and shoe before reuse.

Inhalation: If inhaled, get fresh air immediately. If the affected person is not breathing, apply artificial respiration. Immediately call a physician or poison control center.

Ingestion: Immediately call a physician or poison control center. Give one or two glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

General: As with any chemical, employees should thoroughly wash hands with soap and water after handling this material.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, foam, or dry chemical. Caution: Carbon dioxide will displace air in confined spaces and may create an oxygen deficient atmosphere.

Unsuitable Extinguishing Media: Water.

Products of Combustion: Forms acrid fumes, carbon monoxide, carbon dioxide, and oxides of nitrogen.

Protection of Firefighters: Vapors may be irritating to eyes, skin, and respiratory tract. Firefighters should wear self-contained breathing apparatus (SCBA) and full fire-fighting turnout gear.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8. Product is slippery when spilled. Isolate the hazard area. Deny entry to unnecessary and unprotected personnel.

Environmental Precautions: Keep out of drains, sewers, ditches, and waterways.

Methods for Containment: Dike spill area and cap leaking containers as necessary to prevent further spreading of spilled material. Absorb spilled liquid with suitable material.

Methods for Clean Up: Eliminate all ignition sources. Use equipment rated for use around combustible materials. Oil-soaked rags may spontaneously combust; place in appropriate disposal container.

Section 7: Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Wash hand thoroughly after handling. Do not handle or store near an open flame. Keep the container closed when not in use. Empty container may contain hazardous product residues.

Storage: Store in cool, dry, well-ventilated area. Keep container tightly closed. Store in accordance with good industrial practices. Avoid storage with materials that are incompatible.

Storage Pressure: Atmospheric

Section 8: Exposure Controls / Personal Protection

Engineering Controls: Provide ventilation. Keep away from sparks and flames.

Respiratory Protection: Not normally required. If adequate ventilation is unavailable, use NIOSH approved air-purifying respirator with organic vapor cartridge or canister.

Skin Protection: Nitrile gloves are recommended. Boots, apron, or bodysuits should be worn as necessary.

Eyes/Face Protection: Safety glasses with side shields or chemical goggles.

General Hygiene Considerations: Wash hands thoroughly after handling. Have eyewash facilities immediately available.

Section 9: Physical and Chemical Properties

Physical State:	Liquid
Color:	Red
Odor:	Alkaline
pH:	10-5-12.5
Specific Gravity:	Not Available
Boiling Point:	Not Available
Freezing / Melting Point:	Not Available
Vapour Pressure:	Not Available
Vapour Density:	Not Available
% Volatile by Volume:	Not Available
Evaporation Rate:	Medium to fast
Solubility in Water:	Excellent
VOCs:	Not Available
Viscosity:	Not Available
Molecular Weight:	Not Available

Section 10: Stability and Reactivity

Stable at normal conditions.

Conditions of Instability: Excess heat, incompatible materials.

Incompatibility with Various Substances: Reactive with strong oxidizing agents and reducing agents.

Materials to Avoid: Contact with strong acids.

Section 11: Toxicological Information

Routes of Entry: Inhalation, Ingestion

Toxicity to Animals:

Acute Oral Toxicity (LD50): Not Available

Chronic Effects on Humans: Not Available

Other Toxic Effects on Humans: Not Available

Hazardous in Case of Inhalation: Hazardous in case of ingestion.

Special Remarks on Toxicity to Animals: Not Available

Special Remarks on Chronic:

Effects on Humans: Not Available

Section 12: Ecological Information

Ecotoxicity: Not Available

BOD and COD: Not Available

Products of Biodegradation: Readily Biodegradable

Aquatic Toxicity: Toxic to aquatic organisms.

Section 13: Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

Tag classification Class 8 UN Number 1824 Packaging group II

Special Provisions for Transport: Not Available

Section 15: Regulatory Information

WHMIS Hazardous Class: Corrosive Material



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