



# A777 PLUS

A777 Plus is a premium degreaser used in multiple applications. This product is specially formulated for use in cabinet style parts washers. **A777 Plus** has a very low to no foam generation and has a metal safe additive for use on softer metals.

## FEATURES & BENEFITS

- **ENVIRONMENTALLY FRIENDLY**  
Water-base formula contains no solvents
- **RUST INHIBITORS**  
Contains rust inhibitors to prevent flash rusting of cleaned parts
- **EFFECTIVE**  
Water base formula provides exceptional cleaning and degreasing of metal parts



## DIRECTIONS

1. Dilute **A777 Plus** with water only. This product is more effective when hot water (140F+) is used in the parts washer.
2. Fill the parts washer at a dilution rate of 2 gallons per 50 gallons of water. Adjust depending on the soil load of the parts that are being cleaning.
3. It is recommended that the parts be rinsed with water after degreasing/cleaning.

**NOTE:** See reverse side for MSDS information and General Cautions for Use

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Identity (As Used on Label and List):** A 777 Plus  
**Product Class:** Liquid Detergent Cleaner  
**Emergency Telephone Number:** 800-535-5053 (INFOTRAC)  
**Telephone Number for Information:** 763-509-7937  
**Manufactured for:**  
Ver-tech labs  
1236801 Bleck Drive  
Rockford MN 55373 USA

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)
A	Potassium hydroxide CAS #1310-58-3 5
B	Sodium Silicic Acid CAS #1344-09-8
C	Sodium Polyacrylate CAS # mixture
D	Water CAS #7732-18-5

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

**Appearance and Odor:** Clear Liquid, Low odor.

**Primary Hazards:** Corrosive

### Potential Health Hazards

**Route(s) of Entry:** Skin Absorption: X Ingestion: X Inhalation: X

**Eye:** May cause chemical burns on contact.

**Skin:** May cause chemical burns on contact.

**Ingestion:** Harmful if swallowed.

**Inhalation:** No hazardous vapors.

**Signs and Symptoms of Exposure:** Eye Contact: Possible burning, tearing, redness and corneal damage. Skin Contact: Possible slippery feeling, redness, swelling and burns. Symptoms may be delayed.

**Carcinogenicity:** NTP? Yes (Chemical C) IARC Monographs? No

OSHA Regulated? No

**Target Organ (s):** N. Av.

**Medical Conditions Generally Aggravated by Exposure:** N. Av.

**Health Hazards, Chronic:** N. Av.

## SECTION IV - FIRST AID MEASURES

### Emergency and First Aid Procedures:

**If Swallowed:** Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. Obtain immediate medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. If irritation persists seek medical attention. **Sources Used:** Raw material data, general toxicology from the trade for similar products.

## SECTION V - FIRE FIGHTING MEASURES

**Flammability:** No **Autoignition Temperature:** N. Av.

**Flash Point (method used):** None

**Flammable Limits:** N. Av.

LEL UEL

**Extinguishing Media:** N. Av.

Water?

Foam?

Water Fog?

Alcohol Foam?

CO<sub>2</sub>?

Dry Chemical?

Vaporizing Liquid?

Other?

**Special Fire Fighting Procedures:** N. Av.

**Unusual Fire and Explosion Hazards:** N. Av.

**TDG Flammability Classification:** Non-flammable

**Sensitivity to Mechanical Impact:** None

**Sensitivity to Static Discharge:** None

## SECTION VI - ACCIDENTAL RELEASE MEASURES

### Steps to be Taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

## SECTION VII - HANDLING AND STORAGE

### Precautions to be Taken in Handling and Storing:

Normal care in handling and storage.

**Other Precautions:** Keep out of reach of children. Keep from freezing.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection (Specify Types):** Dust/mist respirator is recommended when spraying product.

**Ventilation:** Local Exhaust: Not required **Special:** Not required

**Mechanical (General):** Normal good ventilation sufficient. **Other:** Not required

**Protective Gloves:** Natural rubber or synthetic.

**Eye Protection:** Approved safety goggles or glasses. **Footwear:** Not required

**Other Protective Clothing or Equipment:** Not required

**Work/Hygienic Practices:** Do not contaminate food or beverages with cleaning chemicals, use potable water rinse.

## SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** approx. 212 F. **pH:** > 12.5  
**Specific Gravity (H<sub>2</sub>O) = 1:** 1.34 **% Volatile:** N. Av.  
**Vapor Density (Air = 1):** N. Av. **Odor Threshold:** N. Av.  
**Evaporation Rate (Butyl Acetate = 1):** N. Av. **Oil/Water Distribution**  
**Solubility in Water:** Complete **Coefficient:** N. Av.  
**Vapor Pressure (MM HG):** N. Av.  
**Melting Point:** N. Av.

## SECTION X - STABILITY AND REACTIVITY

**Stability:** Unstable: Stable: X  
**Conditions to Avoid:** N. Av.  
**Incompatibility (materials to avoid):** Strong acids Strong oxidizers  
**Hazardous Decomposition or By-products:** N. Av.  
**Hazardous Polymerization:** May occur: Will not occur: X  
**Conditions to Avoid:** N. Av.

## SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	2 mg/M <sub>3</sub>	2 mg/M <sub>3</sub>	N. Av.	205 mg/kg (rat, oral)	N. Av.
B	A. Ap.	N. Av.	N. Av.	N. Av.	N. Av.
C	N. Av.	N. Av.	N. Av.	2500 mg/kg (rat, oral)	N. Av.
D	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.

**Teratogen, Mutagen, Reproductive Toxin Status:** No

**Toxicologically Synergistic Products:** N. Av.

## SECTION XII - ECOLOGICAL INFORMATION

**Ecotoxicological Information:** N. Av.

**Chemical Fate Information:** N. Av.

## SECTION XIII - DISPOSAL CONSIDERATIONS

### Waste Disposal Method:

Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.

**RCRA Hazard Class:** D002, characteristic corrosive.

## SECTION XIV - TRANSPORT INFORMATION

**Shipping Classification:** Corrosive liquid, basic, inorganic, N.O.S. (potassium hydroxide), Class 8

**UN Number:** 3266

**Packing Group:** II

## SECTION XV - PREPARATION DATA

**Prepared By:** Health and Safety Department

**Telephone Number:** 763-509-7937

**Date:** 11-27-2006

## SECTION XVI - REGULATORY INFORMATION

**US Federal Regulations**

**Canada Regulations**

**TSCA Status:** All ingredients listed.

**DSL Status:** All ingredients listed

**CERCLA Reportable Quality:** N. Av.

**SARA Title III**

**Section 302 Extremely Hazardous Chemicals:** None

**Section 311/312 Hazard Category:** Immediate health hazard

**Section 313 Toxic Chemicals:** None

**WHMIS Class E** Risk Phrase: R21, R22, R41

Precautions: S2, S26, S62

## SECTION XVII - OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Control Products Regulations and the MSDS contains all the information required by the Control Products Regulations

N. Ap. - Not Applicable; N. Av. - Not Available

## NFPA SYSTEM

3 A. Health Hazard

0 A. Fire Hazard

0 A. Reactivity Hazard

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