

**MATERIAL SAFETY DATA SHEET**  
**COMPLIES WITH OSHA's HAZARD COMMUNICATION STANDARD (29 CFT 1910.1200)**

**SECTION I – PRODUCT IDENTIFICATION**

**Product Name:** Pine Plus  
**Product Number:** #11  
**Product Type:** Liquid Cleaner  
**Supplier's Name:** Major Chemical  
**Supplier's Address:** P.O. Box 79166/Charlotte, NC 28277

**Date Prepared:** 10/25/10  
**Emergency Phone:** (704) 552-4722

**HMIS Rating**  
Minimal: 0 Slight: 1  
Moderate: 2 Serious: 3  
Extreme: 4  
HEALTH: 1/FIRE: 1  
REACTIVITY: 0

**SECTION II – HAZARDOUS INGREDIENTS**

Chemical Name	CAS#	OSHA PEL	TLV (source)
Isopropanol Anhydrous	67-63-0	400 ppm	400 ppm
Alkyl Dimethyl Benzyl Ammonium Chloride	139-08-2	N/A	N/A
Pine Oil	N/A mixture	N/A	N/A
Hydroxyethyl Cellulose	9004-62-0		10 mg/m3
Tergitol Nonionic Surfactant NP10	26027-38-3	N/L	N/L

**SECTION III – PHYSICAL DATA**

**Boiling Point:** N/A  
**Ph:** 7.5  
**Solubility in Water:** Complete  
**Appearance/Odor:** Brown liquid, pine odor.

**Evaporation Rate (Butyl Acetate = 1):** N/A  
**Melting Point:** N/A  
**Vapor Density (Air = 1):** N/A  
**Specific Gravity (H2O = 1):** 9841.382

**SECTION IV – FIRE AND EXPLOSION DATA**

**Flash Point:** 85°  
**Extinguishing Media:** Water, Carbon Dioxide  
**Unusual Fire and Explosion Hazards:** N/A

**Flammability Limits:** None  
**Special Fire Fighting Procedures:** N/A

**SECTION V – REACTIVITY DATA**

**Stability:** Material stable.  
**Incompatibility:** None known.

**Hazardous Polymerization:** Will not occur.  
**Hazardous Decomposition Products:** None known.

**SECTION VI – STORAGE AND HANDLING**

**Precautions to be Taken in Handling/Storage:** Keep away from heat or open flame. Avoid contamination of food or food stuff.

**SECTION VII – HEALTH AND FIRST AID**

**Eyes:** Flush with water for 15 minutes. See a physician.

**Skin:** Flush with water for 15 minutes.

**Ingestion:** Drink large quantities of raw egg white or water. Note to Physician: do not induce vomiting. Probable mucous damage, may contradict gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

**Inhalation:** If bothersome, remove to fresh air.

**SECTION VIII – SPECIAL PROTECTION DATA**

**Protective Gloves:** Required.  
**Eye Protection:** Required.  
**Respiratory Protection:** N/A

**Ventilation:** Local exhaust.  
**Other Protective Clothing/Equipment:** N/A

**SECTION IX – SPILL OR LEAK PROTECTION**

**Steps to be Taken in Case of Spill or Leak:** Extinguish all sources of ignition. Squeegee or mop into drain and flush with water. For large quantities, soak up with absorbant material such as clay or sawdust.

**Waste Disposal Method:** Dispose of waste in accordance with Federal, State and Local ordinances.

N/A = NON APPLICABLE    N/E = NOT ESTABLISHED    N/D = NOT DETERMINED    N/L = NOT LISTED

NOTICE: The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty (expressed or implied) of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.