

# MATERIAL SAFETY DATA SHEET

Manufacturer: Union Etchants International, Inc.  
8 – 10 Green Street Bldg A  
Woburn MA 01801  
Non-Emergency Information: 1-781-935-8878  
24-Hour Emergency (Chemtrec): 1-800-424-9300

## SECTION I – MATERIAL IDENTIFICATION

Material Name: UnionCleaner, **Date Prepared:** April 3, 2006  
Common Names/Synonyms: Contains Alconox<sup>®</sup>

## SECTION II – INGREDIENT INFORMATION

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
25155-30-0	10-30	SODIUM DODECYLBENZENESULFONATE	NOT AVAILABLE	438 MG/KG RAT ORAL 1330 MG/KG MOUSE ORAL	NOT AVAILABLE
497-19-8	7-13	SODIUM CARBONATE	NOT AVAILABLE	4090 MG/KG RAT ORAL 6600 MG/KG MOUSE ORAL	2300 MG/M3/2H RAT INHALATION 1200 MG/M3/2H MOUSE INHALATION
7722-88-5	10-30	TETRASODIUM PYROPHOSPHATE	5 MG/M3	4000 MG/KG RAT ORAL 2980 MG/KG MOUSE ORAL	NOT AVAILABLE
7758-29-4	10-30	SODIUM PHOSPHATE	NOT AVAILABLE	3120 MG/KG RAT ORAL 3100 MG/KG MOUSE ORAL >4640 MG/KG RABBIT DERMAL	NOT AVAILABLE

## ADDITIONAL INGREDIENT INFORMATION

**Note:** (supplier).  
CAS# 497-19-8: LD50 4020 mg/kg - rat oral.  
CAS# 7758-29-4: LD50 3100 mg/kg - rat oral.

## SECTION III – HAZARD IDENTIFICATION

**Route of entry:** Skin contact, eye contact, inhalation and ingestion.

**Effects of acute exposure**

**Eye contact:** May cause irritation.

**Skin contact:** Prolonged contact may cause irritation.

**Inhalation:** Airborne particles may cause irritation.

**Ingestion:** May cause vomiting and diarrhea.  
May cause abdominal pain.  
May cause gastric distress

**Effects of chronic**

**Exposure:** Contains an ingredient which may be corrosive.

## SECTION IV – FIRST AID MEASURES

**Skin contact:** Remove contaminated clothing.  
Wash thoroughly with soap and water.  
Seek medical attention if irritation persists.

**Eye contact:** Check for and remove contact lenses.  
Flush eyes with clear, running water for 15 minutes while holding eyelids open: if irritation persists, consult a physician.

**Inhalation:** Remove victim to fresh air.  
Seek medical attention if symptoms persist.

**Ingestion:** Dilute with two glasses of water.  
Never give anything by mouth to an unconscious person.  
Do not induce vomiting, seek immediate medical attention.

**Additional information:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

## SECTION V – FIRE FIGHTING MEASURES

**Flammability:** Not flammable.

**Conditions of flammability:** Surrounding fire.

**Extinguishing media:** Carbon dioxide, dry chemical, foam.  
Water. Water fog.

**Special procedures:** Self-contained breathing apparatus required.  
Firefighters should wear the usual protective gear.

**Auto-ignition temperature:** Not available.

**Flash point (°C), None method:**

**Lower flammability limit (% vol):** Not applicable.

**Upper flammability limit (% vol):** Not applicable.

**Explosion Data**

**Sensitivity to static discharge:** Not available.

**Sensitivity to mechanical impact:** Not applicable.

**Hazardous combustion products:** Oxides of carbon (COx).  
Hydrocarbons.

**Rate of burning:** Not available

**Explosive power:** None

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**Leak/Spill:** Contain the spill.  
Recover uncontaminated material for re-use.  
Wear appropriate protective equipment  
Contaminated material should be swept or shoveled into appropriate waste container for disposal.

## SECTION VII – HANDLING AND STORAGE

**Handling procedures and equipment:** Protect against physical damage.  
Avoid breathing dust.  
Wash thoroughly after handling.  
Keep out of reach of children.  
Avoid contact with skin, eyes and clothing.  
Launder contaminated clothing prior to reuse.

**Storage requirements:** Keep containers closed when not in use.  
Store away from strong acids or oxidizers.  
Store in a cool, dry and well ventilated area.

## SECTION VIII – EXPOSURE CONTROLS I PERSONAL PROTECTION

### Precautionary Measures

**Gloves/Type:**



Neoprene or rubber gloves.

**Respiratory/Type:**



If exposure limit is exceeded, wear a NIOSH approved respirator.

**Eye/Type:**



Safety glasses with side-shields.

**Footwear/Type:** Safety shoes per local regulations.

**Clothing/Type:** As required to prevent skin contact

**Other/Type:** Eye wash facility should be in close proximity.  
Emergency shower should be in close proximity.

**Ventilation requirements:** Local exhaust at points of emission.

**Exposure limit of material:** Not available for mixture, see the ingredients section.

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid

**Appearance & odor:** Almost odourless.  
White granular powder.

**Odor threshold (ppm):** Not available.

**Vapour pressure (mmHg):** Not applicable.

**Vapour density (air=1):** Not applicable.

**By weight:** Not available.

**Evaporation rate (butyl acetate = 1):** Not applicable.

**Boiling point (°C):** Not applicable.

**Freezing point (°C):** Not applicable.

**pH:** (1% aqueous solution).  
9.5

**Specific gravity @ 20 °C:** (water = 1).  
0.85 - 1.10

**Solubility in water (%):** 100 - > 10% w/w

**Coefficient of water/oil  
dist.:** Not available.

**VOC:** None

**Chemical family:** Detergent.

## **SECTION X – STABILITY AND REACTIVITY**

**Chemical stability:** Stable under normal conditions.

**Conditions of instability:** None known.

**Hazardous  
polymerization:** Will not occur.

**Incompatible  
substances:** Strong acids.  
Strong oxidizers.

**Hazardous  
decomposition products:** See hazardous combustion products.

## **SECTION XI – TOXICOLOGICAL INFORMATION**

**LD50 of product, species  
& route:** > 5000 mg/kg rat oral. & route:

**LC50 of product, species  
& route:** Not available for mixture, see the ingredients

**Sensitization to product:** Not available.

**Carcinogenic effects:** Not listed as a carcinogen.

**Reproductive effects:** Not available.

**Teratogenicity:** Not available.

**Mutagenicity:** Not available. Synergistic materials: Not available.

## **SECTION XII – ECOLOGICAL INFORMATION**

**Environmental toxicity:** No data at this time.

**Environmental fate:** No data at this time.

## **SECTION XIII – DISPOSAL CONSIDERATIONS**

**Waste disposal:** In accordance with municipal, provincial and fed

## **SECTION XIV – TRANSPORT INFORMATION**

**D.O.T. CLASSIFICATION:** Not regulated.

**Special shipping  
information:** Not regulated.

## SECTION XV – REGULATORY INFORMATION

### Canadian Regulatory Information

WHMIS classification:

D2B



**DSL status:** The supplier has certified that all substances in this product appear on the domestic substances list.

### USA Regulatory Information

**SARA hazard categories** Immediate (Acute) Health Hazard: Yes.  
**sections 311/312:** Delayed (Chronic) Health Hazard: No.  
Fire Hazard: No.  
Sudden Release of Pressure: No.  
Reactive: No.

**SARA Section 313:** None

**TSCA inventory:** All components of this product are listed on the TSCA inventory.

### NFPA

**Health Hazard:** 1

**Flammability:** 0

**Physical hazard:** 0