



## Material Safety Data Sheet

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Glass & Hard Surface Cleaner  
**SYNONYMS:** NA  
**PRODUCT CODES:** 102510

**MANUFACTURER:** Theochem Laboratories Inc  
**ADDRESS:** 7373 Rowlett Park Drive  
Tampa, FL 33610-1141

**EMERGENCY PHONE:** ChemTel: North America: 1-800-255-3924  
International: +01-813-248-0585  
**(800) 255-3924**

**CHEMICAL NAME:** Mixture packaged in a pressurized aerosol can  
**CHEMICAL FAMILY:** Mixture  
**CHEMICAL FORMULA:** NA  
**PRODUCT USE:** Glass/Hard Surface Cleaner  
**PREPARED BY:** TGD  
**REVISION NUMBER:** 1.2  
**MSDS REVISION DATE:** 01/18/2011

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Components listed in this section may contribute to the potential hazards associated with exposure to the concentrate. The product may contain additional non-hazardous or trade-secret components.

#### INGREDIENT:

	<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Propane	74-98-6	5-7 %	NA	No
Butane	106-97-8	5-7 %	NA	No
Isopropyl Alcohol	67-63-0	3-5 %	NA	No
2-Butoxyethanol	111-76-2	2-4 %	NA	No
Ammonium Hydroxide	1336-21-6	<0.1%	NA	Yes

#### Propane

	<u>ppm</u>	<u>mg/m3</u>
<b>OSHA PEL-TWA:</b>	NA	NA
<b>OSHA PEL STEL:</b>	NA	NA
<b>OSHA PEL CEILING:</b>	NA	NA
<b>ACGIH TLV-TWA:</b>	1000 ppm	NA
<b>ACGIH TLV STEL:</b>	NA	NA
<b>ACGIH TLV CEILING:</b>	NA	NA

#### Butane

	<u>ppm</u>	<u>mg/m3</u>
<b>OSHA PEL-TWA:</b>	NA	NA
<b>OSHA PEL STEL:</b>	NA	NA
<b>OSHA PEL CEILING:</b>	NA	NA
<b>ACGIH TLV-TWA:</b>	800 ppm	NA
<b>ACGIH TLV STEL:</b>	NA	NA
<b>ACGIH TLV CEILING:</b>	NA	NA

Isopropyl Alcohol

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	400 ppm	NA
OSHA PEL STEL:	NA	NA
OSHA PEL CEILING:	NA	NA

ACGIH TLV-TWA:	400 ppm	NA
ACGIH TLV STEL:	NA	NA
ACGIH TLV CEILING:	NA	NA

2-Butoxyethanol

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	50 ppm	NA
OSHA PEL STEL:	NA	NA
OSHA PEL CEILING:	NA	NA

ACGIH TLV-TWA:	25 ppm (skin)	NA
ACGIH TLV STEL:	NA	NA
ACGIH TLV CEILING:	NA	NA

Ammonium Hydroxide

	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	50 ppm	NA
OSHA PEL STEL:	NA	NA
OSHA PEL CEILING:	NA	NA

ACGIH TLV-TWA:	25 ppm	NA
ACGIH TLV STEL:	35 ppm	NA
ACGIH TLV CEILING:	NA	NA

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**SECTION 3: HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:**

**ROUTE(S) OF ENTRY:**

**POTENTIAL HEALTH EFFECTS SHORT TERM/ACUTE EXPOSURE:**

**Eyes:** Yes                      **Inhalation:** Yes                      **Skin:** Yes                      **Ingestion:** Unlikely

**EYES:** Contact can cause redness, burning and tearing of the eyes.

**SKIN:** Contact may cause redness and irritation of the skin.

**INHALATION:** Inhalation may cause mild irritation to the nose, throat and respiratory tract and signs of intoxication.

**INGESTION:** Ingestion may cause gastrointestinal irritation and nausea.

**CHRONIC HEALTH HAZARDS:** No further data known

**CARCINOGENICITY:** NTP: NO                      ARC Monographs: NO                      OSHA Regulated: NO

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Not known

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**SECTION 4: FIRST AID MEASURES**

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**EYES:** Flush with large amounts of running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

**SKIN:** Wash with water after exposure. If irritation persists get medical attention.

**INGESTION:** Drink large amounts of water, Do not induce vomiting. Consult physician immediately for additional advice and treatment

**INHALATION:** Remove victim to fresh air. Seek medical attention.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** No further data known

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#### SECTION 5: FIRE-FIGHTING MEASURES

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**FIRE AND EXPLOSIVE PROPERTIES:**

Not flammable aerosol per ASTM D-3065-77 Flame Extension Test

**FLAMMABLE LIMITS IN AIR, UPPER:** Not Known  
**(% BY VOLUME) LOWER:** Not Known

**FLASH POINT:** (Closed Cup): Not established  
**FLAMMABLE LIMITS:** Not established

**AUTOIGNITION TEMPERATURE:** None Known

**NFPA HAZARD CLASSIFICATION**

**HEALTH:** 1                      **FLAMMABILITY:** 1                      **REACTIVITY:** 0                      **OTHER:** NA

**HMIS HAZARD CLASSIFICATION**

**HEALTH:** 1                      **FLAMMABILITY:** 1                      **REACTIVITY:** 0                      **PROTECTION:** NA

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Dry Powder or Foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Keep containers cool with water spray to prevent bursting.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure. Exposure of aerosol cans to a temperatures above 120 °F may cause bursting. Protect personnel from bursting containers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>, Ammonia vapors

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**CLEAN-UP MEASURES:** Stop spill or leak if it can be done safely. Contain spill to smallest possible area. Large spills should be recovered for disposal. Waste materials should be disposed of in accordance with all local, state and federal regulations. Transfer contaminated absorbent, soil and other materials to containers for disposal

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#### SECTION 7: HANDLING AND STORAGE

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**HANDLING:** As with any chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Follow all other standard industrial hygiene practices. Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty containers.

**STORAGE:** Store in a cool, dry area away from combustibles and reactive chemicals. Store away from sources of ignition. Do not store at temperatures above 120 °F.

**OTHER PRECAUTIONS:** For Industrial & Institutional use only.

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels. The user may wish to refer to 29 CFR 1910.1000(d)(2) and the ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices" (Appendix C) for the determination of exposure limits of mixtures. An industrial hygienist or similar professional may be consulted to confirm that the calculated exposure limits apply.

**RESPIRATORY PROTECTION:** None needed if maintained below TLV..

**EYE PROTECTION:** Wear protective eyewear to prevent accidental exposure

**SKIN PROTECTION:** Wear gloves if skin contact causes irritation.

**OTHER PERSONAL PROTECTIVE EQUIPMENT:** Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I.

**HYGIENIC PRACTICES:** Wash hands after use. Keep containers closed when not in use.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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<b>APPEARANCE:</b>	White foam spray
<b>ODOR:</b>	Mint Odor
<b>PHYSICAL STATE:</b>	Liquid
<b>pH AS SUPPLIED:</b>	10.0 – 11.0
<b>BOILING POINT:</b>	<100 °F
<b>MELTING POINT:</b>	Liquid
<b>FREEZING POINT:</b>	NA
<b>VAPOR PRESSURE (mmHg):</b>	46 psig @ 70 °F
<b>VAPOR DENSITY (AIR = 1):</b>	> 1
<b>SPECIFIC GRAVITY):</b>	1.0
<b>EVAPORATION RATE:</b>	< 1.0 (Butyl Acetate = 1)
<b>BASIS (=1):</b>	NA
<b>SOLUBILITY IN WATER:</b>	Soluble
<b>PERCENT SOLIDS BY WEIGHT:</b>	NA
<b>PERCENT VOC's:</b>	12 %
<b>MOLECULAR WEIGHT:</b>	Mixture
<b>VISCOSITY:</b>	NA

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**SECTION 10: STABILITY AND REACTIVITY**

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**STABILITY:** Product is Stable

**CONDITIONS TO AVOID (STABILITY):** Extreme Temperatures

**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong Oxidizers

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID (POLYMERIZATION):** Will not polymerize

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**EYE EFFECTS:** No further toxicological data known.

**SKIN EFFECTS:** No further toxicological data known.

**ORAL EFFECTS:** No further toxicological data known.

**INHALATION EFFECTS:** No further toxicological data known.

**OTHER:** No further data known.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOTOXICOLOGICAL INFORMATION:** This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

**ENVIRONMENTAL FATE:** Not Known

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. Note that use, mixture, processing, or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.

**RCRA HAZARD CLASS:** NA

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**SECTION 14: TRANSPORT INFORMATION**

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**U.S. DEPARTMENT OF TRANSPORTATION**

<b>PROPER SHIPPING NAME:</b>	Consumer Commodity
<b>HAZARD CLASS:</b>	ORM-D
<b>ID NUMBER:</b>	NA
<b>PACKING GROUP:</b>	NA
<b>EXCEPTION:</b>	NA
<b>LABEL STATEMENT:</b>	NA

**WATER TRANSPORTATION** NA

**AIR TRANSPORTATION** NA

**OTHER AGENCIES:** Not Regulated

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS**

**SARA 313:** This product contains some of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**CLEAN WATER ACT / OIL POLLUTION ACT:** This product contains none of the chemicals subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

**CERCLA REPORTABLE QUANTITY:** Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Release of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.

**COMPONENT:** Ammonium Hydroxide 1000 lbs.

**TOXIC SUBSTANCES CONTROL ACT:** The components of this product are listed on the TSCA Inventory.

**OZONE DEPLETING SUBSTANCES:** This product contains no ozone depleting substances as defined by the Clean Air Act.

**HAZARDOUS AIR POLLUTANTS:** Any components listed below are defined by the Federal EPA as hazardous air pollutants. **COMPONENT:** None

**STATE REGULATIONS:** Check with the appropriate state agency to determine whether regulations exists.

**INTERNATIONAL REGULATIONS:** NA

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**SECTION 16: OTHER INFORMATION**

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**PREPARED BY:** Department of Regulatory Compliance

**DATE OF ISSUE:** 3/13/06

**DATE OF LAST REVISION:** 01/18/2011

We believe the information given is accurate. It is offered in good faith, but without guarantee. Since conditions are beyond our control, user assumes all responsibility and risk.