

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Decalcifier

**SYNONYMS:** Quick Decalcifier, Acid Blank

**CATALOG CODES:** VND

**MANUFACTURER:** Volu-Sol

**ADDRESS:** 5095 West 2100 South  
Salt Lake City, UT 84120

**EMERGENCY PHONE:** (800) 535-5053

**OTHER CALLS:** (801) 974-9474

**FAX:** (801) 974-9553

**CHEMICAL FAMILY:** -

**CHEMICAL FORMULA:** -

**PREPARED BY:** Volu-Sol

**RECOMMENDED USE:** Laboratory chemical

**RESTRICTIONS ON USE:** Use as recommended

## SECTION 2: HAZARD(S) IDENTIFICATION

## EMERGENCY OVERVIEW:

**GHS Classification:** Oxidizing Liquids (Category 3)  
Skin Corrosion (Category 1)  
Serious eye damage (Category 1)

## GHS LABEL ELEMENTS:

**Pictogram:**



**Signal Word:**

Danger

**Hazard Statement(s):**

H272 May intensify fire; oxidizer  
H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

**Precautionary Statement(s):**

P210 Keep away from heat  
P220 Keep/Store away from clothing/ combustible materials  
P221 Take any precaution to avoid mixing with combustibles  
P264 Wash skin thoroughly after handling  
P280 Wear protective gloves/ eye protection/ face protection  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower  
P304+P340+P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician  
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician  
P363 Wash contaminated clothing before reuse  
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  
P405 Store locked up  
P501 Dispose of contents/container to an approved waste disposal plant

**OTHER HAZARDS:** -

## HMIS Classification:

**Health hazard:** 3  
**Chronic health hazard:** -  
**Flammability:** 0  
**Physical hazards:** 0

## NFPA Rating:

**Health hazard:** 3  
**Fire:** 0  
**Reactivity Hazard:** 0

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.
Nitric acid (≤5%)	7697-37-2 231-714-2 007-004-00-1

## SECTION 4: FIRST AID MEASURES

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician

**INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

**SKIN:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician

**EYE:** Continue rinsing eyes during transport to hospital. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR:** Percentage by Volume  
Upper: -%  
Lower: -%

**FLASH POINT:** -

**AUTOIGNITION TEMPERATURE:** -

**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus for firefighting if necessary

**FIRE AND EXPLOSION HAZARDS:** Use water spray to cool unopened containers

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** User personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not let product enter drains. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid inhalation of vapour or mist. Keep away from sources of ignition. No smoking. Keep away from heat and sources of ignition. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

**INCOMPATIBILITIES:** Alkali metals, organic materials, acetic anhydride, acetonitrile, alcohols

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE LIMITS:** Reported in a time-weighted average (TWA)

Component	CAS-No.	OSHA		ACGIH	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Nitric acid	7697-37-2	2 PEL	5 PEL	2 TLV	5 TLV

**VENTILATION SYSTEM:** Local and/or general exhaust is recommended to keep exposure below limits. Local exhaust ventilation is preferred for control of the emissions at its source, preventing dispersion into the general work area. Please refer to the ACGIH document, *Industrial Ventilation: A Manual of Recommended Practices*, for details

**PERSONAL RESPIRATORS:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and

components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

**SKIN PROTECTION:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

**EYE PROTECTION:** Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** liquid  
**ODOR:** -  
**SOLUBILITY:** -  
**pH:** -  
**BOILING POINT:** -  
**MELTING POINT:** -  
**VAPOR PRESSURE:** -  
**SPECIFIC GRAVITY:** -  
**MOLECULAR WEIGHT:** -  
**DENSITY:** -  
**VISCOSITY:** -  
**REFRACTIVE INDEX:** -

#### SECTION 10: STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under recommended conditions of use and storage

**CONDITIONS TO AVOID:** Heat, flames, ignition sources

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No data available

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### TOXICOLOGICAL INFORMATION:

**Acute Toxicity:** No data available  
**Skin/Eye Irritation:** No data available  
**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen  
**ROUTES OF ENTRY:** Inhalation/Ingestion/Skin

#### SECTION 12: ECOLOGICAL INFORMATION

##### ECOLOGICAL INFORMATION:

**Toxicity:** No data available  
**Persistence and degradability:** No data available  
**Mobility in soil:** No data available  
**PBT/vPvB Results:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

#### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Contact a licensed professional waste disposal service to dispose of this material. Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of as hazardous waste in compliance with local and national regulations. Dispose of as unused product

#### SECTION 14: TRANSPORT INFORMATION

US DOT
Shipping Name: Corrosive Liquid, Acidic, Inorganic, n.o.s., (Nitric Acid)
Hazard Class: 8
UN Number: 3264
Packing Group: III

#### SECTION 15: REGULATORY INFORMATION

<b>SARA 302</b>	7697-37-2
<b>SARA 313</b>	7697-37-2
<b>SARA 311/312 Hazards</b>	Acute Health Hazard, Chronic Health Hazard
<b>State</b>	Right to know lists: MA: 7697-37-2 PA: 7697-37-2, 7732-18-5 NJ: 7697-37-2, 7732-18-5 California Prop. 65 Components:

#### SECTION 16: OTHER INFORMATION

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