

# MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME	<i>GRANITIZE PRODUCTS, INC.</i>
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EMERGENCY PHONE NUMBER (24 Hours):

**Transportation Emergencies Call: CHEMTREC (800) 424-9300      International: 202-483-7616**  
**Health Emergencies Call: Los Angeles Poison Information Center (800) 876-4766**

<p>PRODUCT: <b>ALCOHOL<sup>30</sup> ALCOHOL<sup>55</sup> ISOPROPYL ALCOHOL</b></p> <hr/> <p>CAS NUMBER: N/A</p> <hr/> <p><b>DOT (Proper Shipping Name)</b> ISOPROPANOL,3,UN1219, PGII</p> <p><u>HAZARD RATING NFPA</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">0-LEAST</td> <td style="width: 33%;">FIRE</td> <td style="width: 33%; text-align: right;">___3___</td> </tr> <tr> <td>1-SLIGHT</td> <td>TOXICITY</td> <td style="text-align: right;">___2___</td> </tr> <tr> <td>2-MODERATE</td> <td>REACTIVITY</td> <td style="text-align: right;">___2___</td> </tr> <tr> <td>3-HIGH</td> <td>SPECIA</td> <td style="text-align: right;">_____</td> </tr> <tr> <td>4-EXTREME</td> <td></td> <td></td> </tr> </table>	0-LEAST	FIRE	___3___	1-SLIGHT	TOXICITY	___2___	2-MODERATE	REACTIVITY	___2___	3-HIGH	SPECIA	_____	4-EXTREME			<p><b>Caution:</b> Harmful if swallowed. DO NOT induce vomiting. Contact a physician immediately. Avoid eye and prolonged skin contact</p> <p><b>KEEP AWAY FROM CHILDREN.</b> <i>FOR INDUSTRIAL USE.</i></p> <hr/> <p><b>IMO/IMDG (PROPER SHIPPING NAME)</b> ISOPROPANOL,3,UN1219, PGII</p> <p>MARINE POLLUTANT: <b>NO</b></p> <p>STOWAGE AND SEGREGATION: <b>B</b></p> <p>EMERGENCY SCHEDULE <b>F-E S-D</b></p>
0-LEAST	FIRE	___3___														
1-SLIGHT	TOXICITY	___2___														
2-MODERATE	REACTIVITY	___2___														
3-HIGH	SPECIA	_____														
4-EXTREME																

SECTION I .. INGREDIENTS		
PRODUCT	CAS #	TLV
Isopropanol	67-63-0	400ppm

\* Threshold Limit Value

A, Osha [X]      B, ACGII [ ]      C, See Section III [ ]      D, Other [ ]      Cal Osha [ ]

## Section II .. EMERGENCY AND FIRST AID PROCEDURES

Transportation Emergencies Call: CHEMTREC (800) 424-9300 International: 202-483-7616

Health Emergencies Call: Los Angeles Poison Information Center (800) 876-4766

EYE CONTACT	Gently flush with large quantities of water for at least 15 minutes. Seek medical attention immediately.
SKIN CONTACT	Remove any contaminated clothing. Wash with soap and large quantities of water. Seek medical attention if irritated.
INHALATION	If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapor concentration, move to outside air immediately. If breathing stops, begin artificial respiration and seek immediate medical attention.
INGESTION	If this product is swallowed, seek medical attention immediately. <u>DO NOT</u> induce vomiting unless directed by a physician.

## Section III .. PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

EYE EFFECTS	This product may be an eye irritant.
SKIN EFFECTS	Prolonged skin contact may result in irritation and/or Dermatitis.
SYSTEMIC EFFECTS	Various studies have shown a possible association with exposure to this product and the following:

CARCINOGEN: NTP IARC MONOGRAPHS OSHA

NONE KNOWN

**SECTION IV .. SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (Specify Type)	The use of respiratory protection depends on vapor concentration of the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved, if available), or supplied air equipment, depending on airborne concentration.
VENTILATION	If general mechanical ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions, such as respiratory protection, may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.
EYE PROTECTION	Safety glasses and/or face shields are recommended.
PROTECTIVE GLOVES	The use of heavy rubber gloves is advised to prevent skin irritation and absorption.
OTHER PROTECTIVE EQUIPMENT	Impermeable aprons, availability of eye washes and safety washes are recommended.

**SECTION V .. REACTIVITY DATA**

STABILITY	Stable
Conditions to avoid:	NONE
INCOMPATIBILITY (Materials to avoid)	NONE
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.
HAZARDOUS POLYMERIZATION	Will Not Occur

**SECTION VI .. SPILL OR LEAK PROCEDURES*****HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC (800) 424-9300***

PRECAUTIONS IN CASE OF RELEASE OR SPILL	Stay upwind and away from spill unless wearing appropriate protective equipment. Stop and/or contain spill if it can be done safely. Keep all sources of ignition away.
WASTE DISPOSAL METHOD	Dispose of product in accordance with applicable local, county, state and Federal regulations.

**SECTION VII .. STORAGE AND SPECIAL PRECAUTIONS**

HANDLING AND STORING PRECAUTIONS	Keep product containers cool, dry and away from sources of ignition. Use and store with adequate ventilation.
OTHER PRECAUTIONS	Personnel should avoid inhalation of vapors. Should contact be made, remove saturated clothing and flush with water.

**SECTION VIII .. FIRE AND EXPLOSION HAZARD DATA**

DOT FLAMMABILITY CLASSIFICATION	Flash Point : 55 °F / 12.7 °C
EXTINGUISHING MEDIA	Use Foam, CO <sub>2</sub> or dry chemical fire fighting apparatus.
UNUSUAL FIRE & EXPLOSION HAZARDS	Keep work areas free of hot metal surfaces and other sources of ignition.
HAZARDOUS POLYMERIZATION	The use of self-contained breathing apparatus is recommended for fire fighters. Avoid spreading burning liquid with water. Contact Fire Dept. immediately.

**SECTION IX .. PHYSICAL DATA**

BOILING POINT RANGE 180 °F / 82.2 °C		
Vapor Density: (AIR=1): 2.1		V.O.C. 390 gpl
EVAPORATION RATE: N-BU ACETATE=1: 1.7	Percent Volatile: N/A	Solubility in water: COMPLETE
SPECIFIC GRAVITY: Water=1: .786	Weight Per Gallon: .6.5 lbs	
APPEARANCE AND ODOR:	Blue with an Isopropanol Aroma	

**SECTION X .. DOCUMENTARY INFORMATION**

Product Code No <b>Alcohol 30 / 55</b>	Issue date <b>Jun-09</b>	Prepared By: <b>Marty Raymondo</b>
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*All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.*