

## MATERIAL SAFETY DATA SHEET

Date of Last Revision: 1/09

### GlobalTech® Isopropyl Alcohol, 99%

Product Code: IPA

FOR CHEMICAL EMERGENCY call INFOTRAC at 1-800-535-5053  
24 Hrs. per day, 7 days per week

#### Section 1 ... Composition/Information on Ingredients

Ingredients	CAS#	Weight %	TWA/TLV
Isopropyl Alcohol	67-63-0	99.7	400ppm TWA

#### Section 2 ... First Aid Measures

<b>Eye Contact:</b>	Flush with large amount of water. Contact physician.
<b>Skin Contact:</b>	Flush with large amount of water. Contact physician. Remove contaminated clothing, wash before reuse.
<b>Inhalation:</b>	Move subject to fresh air. Give artificial respiration if breathing has stopped, call physician.
<b>Ingestion:</b>	If conscious give two glasses of water/milk and induce vomiting. Get medical attention.

#### Section 3 ... Health Hazards, Routes of Entry and Effects of Overexposure

<b>Work Place Exposure Limits:</b>	500 ppm STEL OSHA & ACG1H
<b>Eye Contact:</b>	Slight to moderate irritation, may cause corneal injury.
<b>Skin Contact:</b>	Prolonged contact results in skin drying.
<b>Inhalation:</b>	May cause mild irritation to nose, throat or above TLV-headache.
<b>Ingestion:</b>	May cause vomiting, diarrhea, drowsiness, cramps.

#### Section 4 ... Special Protection Information

<b>Ventilation:</b>	Use local exhaust ventilation to prevent build-up of explosive vapor concentrations and keep below TLV - also see Section 3.
<b>Respiratory Protection:</b>	MSHA/NIOSH approved full facepiece respirator with organic vapor cartridge/canister.
<b>Gloves &amp; Glasses:</b>	Chemically resistant gloves, vinyl not recommended. Safety Glasses.
<b>Other Protective Equipment:</b>	Eye bath, safety shower.

#### Section 5 ... Reactivity Data

<b>Stability:</b>	Stable	<b>Conditions to Avoid:</b>	Keep away from ignition sources: sparks, heat and flame
<b>Hazardous Polymerization:</b>	Will not occur	<b>Conditions to Avoid:</b>	
<b>Incompatibility (material to avoid):</b>	Concentrated Nitric & Sulfuric Acids, Oxidizers, Aldehydes		
<b>Hazardous Decomposition:</b>	Will not occur		

#### Section 6 ... Spill or Leak Procedures and Waste Disposal

<b>Precautions in Case of Release:</b>	Eliminate ignition source. Ground handling equipment to prevent sparking. Wear respirator and protective clothing. Dike and contain spill. Suppress vapors with water fog. Soak up residue with absorbent clay or sand. Place in non-leaking containers for disposal.
<b>Waste Disposal Method:</b>	Incinerate waste in accordance with Federal, State and Local regulations.

#### Section 7 ... Handling and Storage Precautions

Drum containers should be grounded. Keep containers closed when not in use. Avoid eye and skin contact. Keep away from children. Keep away from heat and flame. Use with adequate ventilation. Wash with soap and water after use.

<b>Storage Temperature:</b> Ambient	<b>Indoor:</b> Ambient	<b>Heated:</b> NA	<b>Outdoor:</b> Ambient
<b>Refrigerated:</b> NA			

## Section 8 ... Hazard Data

**Hazard Class** (Hazard Rating Scale: 0=minimal, 1=slight, 2=moderate, 3=high, 4=extreme):

**Health:** 1

**Flammability:** 3

**Reactivity:** 0

**Personal Protection:**

**Hazard Class:** Flammable liquid

**Explosive Limits** (volume %):

**Lower:** 2.50%

**Upper:** NA

**Flash Point:** 53° F(11.7° C,TCC)

**Auto Ignition Temp:** Will not occur

**Extinguishing Media:** "Alcohol" foam, CO<sub>2</sub>, dry chemical

**Fire and Explosion Hazards:** Liquid is invisible and flammable, vapors may travel in low areas to ignition source.

**Fire Fighting Procedures:** Use water spray to cool containers and to prevent flammable vapor from escaping. Water may be ineffective on direct flame, but can be used to flush spills from ignition or disperse vapor or cool containers.

## Section 9 ... Physical Data

<b>Boiling Point</b> (approx):	179°F (82°C)	<b>Vapor Density</b> (air=1):	2.0
<b>Evaporation Rate</b> (butyl acetate=1):	slower than ether	<b>% Volatile</b> (by weight):	100
<b>Vapor Pressure</b> (in mmHg):	33	<b>% Water Soluble:</b>	Complete
<b>Specific Gravity</b> (water=1):	0.786	<b>Melting/Freezing Point:</b>	-88.5°C F.P.
<b>Appearance:</b>	water clear liquid	<b>Viscosity:</b>	NA
<b>pH:</b>	7	<b>Solubility in Water:</b>	Complete

## Section 10 ... Regulatory Information

**SARA Title III:**

Acute Health:	Yes	Sudden release of pressure:	No
Chronic Health:	No	Reportable quantity (RQ):	NE
Fire:	Yes	313 Toxic Chemical:	Yes

**TSCA Regulatory:** This material or it's components are listed in the TSCA inventory.

## Section 11 ... Miscellaneous Information

UN1219, Isopropanol - 3, PGII

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