MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name: ISOPROPANOL**
- **Manufacturer:** Deep South Chemical, Inc.
  229 Millstone Road
  Broussard, LA 70518 (337) 837-9931
- **For Emergency** : **Call CHEMTREC 1-800-424-9300**
  Outside the U.S.A. (703)-527-3887
- **Chemical Family:** Alcohol
- **Contact Person:** Glenn Ray
- **Formula:** $(CH_3)2CHOH$
- **MSDS Revised:** January 1, 2014

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS Number	%	PEL(OSHA) TWA	STEL	TLV(ACGIH) TWA	STEL	IDLH
Isopropyl Alcohol	67-63-0	95	400ppm	400ppm	200ppm	400ppm	600ppm

SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

Effects of overexposure:
Inhalation: Irritant
Eye Contact: Can cause eye irritation.
Skin Contact: Irritating to skin. Prolonged or repeated contact may dry the skin.
Ingestion: Irritation of the mouth, throat, and digestive tract.

SECTION 4. FIRST AID MEASURES

Eyes: Move victim away form exposure and into fresh air. If irritation persists, seek medical attention.
  For direct exposure, flush with clean water for 15 minutes. Hold eyelids apart to ensure flushing of
  the entire eye surface.
Inhalation: Move victim away form source of exposure and into fresh air. If irritation persists, seek
  medical attention. If victim is not breathing, artificial respiration should be administered.
Skin: Remove contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation
  persists, seek medical attention. Wash contaminated clothing.
Ingestion: If victim is drowsy or unconscious, place on left side with head down. Seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Fire fighting measures: Powder, foam, or CO_2 to extinguish fire.
Special Fire Fighting Procedures: Water spray to cool drums.
Explosive Properties:
LEL: 2.0%
UEL: 12.0%

SECTION 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Use proper personal protective equipment. Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area. Keep out of drains, sewers or waterways. Use sand or other inert material to contain and soak up spill.

Waste disposal method: Dispose of according to local, state and federal regulations in an approved disposal facility or recycling facility.

SECTION 7. HANDLING AND STORAGE

Storage: Store in a well-ventilated area. Keep container tightly closed when not in use. Store in cool, dry area. Keep away from sources of ignition.

Handling: Use proper personal protective equipment. Avoid contact with skin or eyes. Avoid breathing of vapors. Handle in well-ventilated workspace. When handling do not eat, drink, or smoke.

Other precautions: Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks or other sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Keep work area well ventilated.

Protective clothing: Impermeable gloves and impervious clothing as appropriate.

Eye protection: Chemical goggles where splashing may occur.

Respiratory Protection: Use appropriate respiratory protection when handling or in case of insufficient ventilation.

Special Protection: Safety shower, eye bath, and washing facilities should be available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity @ 60°F (H$_2$O = 1): 0.809
Flash Point (^{o}F): 53
Viscosity: N/D
Vapor density (Air = 1): N/D
Solubility: N/D
Vapor pressure @ 68°F: 33.000mmHg
Evaportaion Rate: 1.40
Apperance and Odor: Clear liquid with aromatic odor
Boiling Point (^{o}F): 180
Percent Volatile by Volume: 100
 pH: N/A
Auto-ignition (^{o}F): N/D

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable in normal conditions.

Incompatibility/Materials: Aldehydes, halogens, nitric acid, strong oxidizing agents, sulfuric acid. Do not use with aluminum equipment at temperatures above 120°F.

Hazardous Decomposition Products: Smoke, carbon oxides.

Hazardous polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

No Data

SECTION 12. ECOLOGICAL INFORMATION

No Data

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of waste materials: Incinerate or in compliance with local, state, and federal regulations.
Disposal of waste containers: Recycle, clean out residues.

SECTION 14. TRANSPORT INFORMATION

DOT transport information: UN 1219, Isopropyl Alcohol, 3, PG II

SECTION 15. REGULATORY INFORMATION

Toxic Substances Control Act (TCSA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CERCLA RQ-40 CFR 302.4(a)

Component	CERCLA RQ (lbs)
None	

SARA 302 Components-40 CFR 355 Appendix A

Component	TPQ(Threshold Planning Quantity) (lbs)
None	

Section 311/312 Hazard Class-40 CFR 370.2
Immediate (X)
Delayed (X)
Fire (X)
Reactive ( )
Sudden Release of Pressure ( )

SARA 313-40 CFR 372.65

Component	CAS Number	%
Isopropyl Alcohol	67-63-0	95

SECTION 16. OTHER INFORMATION

NFPA RATING: Health (1)   Fire (4)   Reactivity (0)