

MATERIAL SAFETY DATA SHEET

1. Product Information

Product Name: India Spar VarnishTM Product Class: Varnish Product Code: 770

2. Composition/Information on Ingredients

Chemical Name	CAS Number	Weight Percent	Occup. Exposure Limits	
			OSHA PEL	ACGIH TLV
Mineral Spirits	8052-41-3	50.0	100 ppm	NE
Biocide	55406-53-6	1.0	Not established	Not established

3. Hazards Identification

******Emergency Overview****** Flammable liquid and vapor. High vapor concentrations can irritate eyes, nose and respiratory passages. Causes nose and throat irritation. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Harmful if swallowed. Causes eye irritation.
Effects of Overexposure - Eye Contact: Causes eye irritation
Effects of Overexposure - Skin Contact: Prolonged or repeated skin contact may cause irritation.
Effects of Overexposure - Inhalation: Harmful if inhaled. High vapor concentrations are irritating to the eyes, nose, throat and lungs. May cause headaches and dizziness. Avoid breathing vapors or mists.
Effects of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage Harmful if swallowed.
Effects of Overexposure - Chronic Hazards: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.
Primary Route(s) of Entry: Skin Absorption, Inhalation, Eye Contact.

4. First Aid Measures

First Aid - Eye Contact - Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.
First Aid - Skin Contact - Wash with soap and water. Get medical attention if irritation develops or persists.
First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
First Aid - Ingestion - Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

5. Fire Fighting Measures

Flash Point: 106° Lower Explosive Limit: L 1.0%
0 Upper Explosive Limit: 10.9%
Extinguishing Media: Dry Chemical, Foam, Water Fog
Unusual Fire and Explosion Hazards: Isolate **from** heat, electrical equipment, sparks and open flame. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back.
Special Firefighting Procedures: Evacuate area and fight fire from a safe distance. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion.

6. Accidental Release Measures

Steps To Be Taken if Material is Released or Spilled: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Eliminate all ignition sources; use explosion-proof equipment. Place material in a container and dispose of according to local, provincial, state and federal regulations.

7. Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Dike spill area. Absorb spill with inert absorbent material. Place in sealed metal containers for proper disposal. Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

8. Handling and Storage

Handling: Wash hands before eating. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Use with adequate ventilation. Wash thoroughly after handling.
Storage: Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use. Keep containers tightly closed. Isolate from, heat, electrical equipment, sparks and open flame.

9. Exposure Controls/Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.
Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.
Eye Protection: Use safety eye wear designed to protect against splash of liquid.

10. Physical and Chemical Properties

Boiling Range: 167 - 999°F Vapor Density: Heavier than air Odor: Solvent Odor Threshold: ND Solubility in H2O: Slight Evaporation Rate: Slower than ether Freeze Point: ND Specific Gravity: Vapor Pressure: ND PH: ND Physical State: Liquid

11. Stability and Reactivity

Conditions to Avoid: Avoid all possible sources of ignition.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

12. Toxicological Information

Product LD50: ND	Product LC50: ND	
Chemical name	LD50	LC50
Mineral Spirits	4900 mg/kg RAT	N.E.
Biocide	N.E.	N.E.

13. Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

14. Ecological Information

Ecological information: Product is a mixture of listed components.

15. Transportation Information

DOT Proper Shipping Name: Paint Packing Group: III DOT Technical Name: — Hazard Subclass: — DOT Hazard Class: 3
Resp. Guide Page: 127 DOT UN/NA Number: UN1263

16. Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 31 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

CHRONIC HEALTH HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372:

Chemical Name	CAS Number
Biocide	55406-53-6

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCXA 12(B) if exported from the United States:

U.S. State Regulations: As follows-

New Jersey Right to Know:

The following materials are non-hazardous, but are among the top five components in this product:

Chemical Name	CAS Number
Resin Solution	Proprietary
Alkyd Resin	Mixture
Alkyd Resin	Proprietary

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%:

Chemical Name	CAS Number
Resin Solution	Proprietary
Alkyd Resin	Mixture
Alkyd Resin	Proprietary

California Proposition 65:

This product contains no known chemicals known by the State of California to cause cancer.

This product contains no known chemicals known by the State of California to cause birth defects or other reproductive harm.

International Regulations: As Follows -

Canadian WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 heading.

Canadian WHMIS CLASS: B3 D2B

17. Other Information

H.M.I.S. Codes:: Health - 2, Flammability - 2, Reactivity - 0 Personal Protection: X
Volatile Organic Compounds, g/l 445

Reason for Revision:

Legend: N.A. - Not applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

date of prepn: 03/01/06

Manufactured by: ROC in IL

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