

INKCUPS NOW
Material Safety Data Sheet
SP-5 Screen Print Thinner

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: SV-5 Thinner

Generic ID: Solvent Blend

Company

INKCUPS NOW
20 Locust St. Suite 104
Danvers, MA. 01923

Emergency Telephone Number:

Chemtrec
800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	% (by weight)
Isophorone	78-59-1	90.0 – 100.0
METHOXY-1-PROPANOL	1589-47-5	0.1-10.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Swallowing

Swallowing small amounts of this material during normal handling is not unlikely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

Breathing of vapor or mist is possible. Breathing this material may be harmful. Symptoms usually occur at air concentrations higher than recommended limits (see Section 8).

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, and diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

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Target Organ Effects

Acute lethal exposure to Overexposure to this material (or its components) in animal studies has resulted in congestion of organs including kidney, spleen, and lung. Overexposure to this material has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild reversible kidney effects, reversible kidney effects, blood abnormalities.

Developmental Information

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

Cancer Information

This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration. Ethylene glycol monobutyl ether has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain.

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control centers for advice about whether to induce vomiting. If possible, do not leave individual unattended. Give individual two glasses of milk or water to drink. If symptoms develop, seek medical attention.

Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Note to Physician

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), liver, kidney. Continued on next page

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5. FIRE FIGHTING MEASURES

Flash Point

179.0 F (81.6 C)

Explosive Limit

(for product) Lower .8 Upper 3.8%

Auto-ignition Temperature

864.0 F (462.2 C)

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide.

Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media

Alcohol foam, water fog, carbon dioxide, dry chemical.

Fire Fighting Instructions

Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protection equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Health – 2, Flammability – 2, Reactivity – 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on veremiculite, floor absorbent, or other absorbent material and transfer to hood.

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

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7. HANDLING AND STORAGE

Handling

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Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be grounded and/or bonded when material is transferred. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of the potential exposure. **Warning.** Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperatures and pressure, or sudden ingress of air into vacuum equipment, may result in ignition without the presence of obvious sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to established and maintain safe operating conditions.

Storage

Under oxidation conditions, peroxides may be formed. If they become concentrated, these peroxides may present an explosion hazard.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSH approved air supplied respirators is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s)

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9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for product) 419.0 F (215 C) @ 760 mmHg

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Vapor Pressure

(for product) >1.000 mmHg @ 68.00 F

Specific Vapor Pressure

4.770 @ AIR = 1

Specific Gravity

.922 @ 68.00 F

Liquid Density

7.680 lbs/gal @ 68.00 F

.922 kg/l @ 20.00 C

Percent Volatiles

100.0 %

Volatile Organic Compounds (VOC)

100.000%

922.000 g/l

7.680 lbs/gal

Evaporation Rate

.03 (N-BUTYL ACETATE)

Appearance

Clear

State

Liquid

Physical Form

NEAT

Color

Colorless

Odor

Pungent

pH

No data

Viscosity

2.3 cps

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Molecular Weight

138.2

Solubility in Water

>0.02 @20.00C

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10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization

Hazardous Decomposition

May form: carbon dioxide and monoxide, various hydrocarbons.

Chemical Stability

Stable.

Incompatibility

Avoid contact with: acids, alkalies, strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No Data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. For assistance with your waste management needs – including disposal, recycling and waste stream reduction, contact Distribution Company, IC & S Environmental Services Group at 800-637-7922.

14. Transport Information

DOT Information – 49 CFR 172.101

DOT Description:

Non-Regulated By D.O.T.

Container/Mode:

Quart, Gallon, 5 or 55 Gallon

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NOS Component:

Isophorone

RQ (Reportable Quantity) – 49 CFR 172.101

Product Quantity (lbs) Component

5000 Isophorone

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15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed

CERCLA RQ – 40 CFR 302.4 (a)

Component	RQ (lbs)
Isophorone	5000

SARA 302 Components – 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class – 40 CFR 370.2

Immediate (X) Delayed (X) Fire (X) Reactive () Sudden Release of Pressure ()

SARA 313 Components – 40CFR 372.65

None

None

OSHA Process Safety Management 29 CFR 1910

None Listed

EPA Accidental Releases Prevention 40 CFR 68

None Listed

International Regulations

Inventory Status

DSL (Canada) the intentional ingredients of this product are listed.

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State and Local Regulations

CALIFORNIA PROPOSITION 65

None

New Jersey RTK Label Information

Isophorone	78-59-1
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Pennsylvania RTK Label Information

2-Cyclohexen-1-One, 3,5,5-Trimethyl-	78-59-1
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16. OTHER INFORMATION

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The information accumulated is believed to be accurate but is not warranted to be whether originated with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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