



MATERIAL SAFETY DATA SHEET
CHEMTRONICS SIP1GI
STENCIL WORKS IPA
SMT STENCIL CLEANER (LIQUID)

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

COMMERCIAL PRODUCT NAME: CHEMTRONICS STENCIL WORKS IPA SMT STENCIL CLEANER (LIQUID)	CODE NO. SIP1GI
MANUFACTURER/SUPPLIER:	CHEMTRONICS, INC. 8125 Cobb Center Drive Kennesaw, Georgia 30152 USA
Phone Number:	1-770-424-4888
Fax Number:	1-770-423-0748
EMERGENCY:	1-703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS No.	CLASSIFICATION	R PHRASES	CONCENTRATION
Isopropanol	67-63-0	F	R11	90.0-95.0
Isohexane	107-83-5	F	R11	5.0-10.0

3. HAZARDS IDENTIFICATION

Main Hazards	Highly Flammable.
Health Effects - Eyes	Liquid may cause slight transient irritation.
Health Effects - Skin	Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.
Health Effects - Ingestion	Swallowing may have the following effects: light headedness, nausea, drowsiness
Health Effects - Inhalation	Exposure to vapour at high concentrations may have the following effects: light headedness, drowsiness,

4. FIRST-AID MEASURES

First Aid - Eyes	Immediately flood the eye with plenty of water, preferably warm, for at least 20 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
First Aid - Skin	Wash skin with soap and water. Apply a reconditioning skin cream.
First Aid - Ingestion	Do not induce vomiting. Obtain medical attention.
First Aid - Inhalation	Remove from exposure.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media:	Do not use waterjet.
Protective Equipment for Fire-Fighting:	Wear self contained breathing apparatus.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear appropriate protective clothing. Ventilate the area.
Environmental Precautions:	Try to prevent the material from entering drains or water courses.

Spillages:	Contain and absorb using earth, sand or other inert material.
7. HANDLING AND STORAGE	
Handling:	Avoid inhaling vapour. Avoid contact with eyes, skin and clothing. Adequate ventilation should be provided if there is risk of vapour build-up. To avoid the build-up of electrostatic charges, earth all containers and piping when transferring from one vessel to another.
Storage:	Storage and transfer equipment should be adequately earthed and bonded to prevent the accumulation of static charges. Store away from sources of heat or ignition. Store in original containers.
8. EXPOSURE CONTROLS /PERSONAL PROTECTION	
Occupational Exposure Standards:	
1. ISOPROPYL ALCOHOL 2. ISOHEXANE	An exposure limit of 400ppm 8h TWA is recommended. An exposure limit of 500ppm 8h TWA is recommended.
Engineering Control Measures	Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Administrative controls and personal protective equipment may also be required.
Respiratory Protection	Respiratory protection if there is a risk of exposure to high vapour concentrations.
Hand Protection:	Use a good quality barrier cream.
Eye Protection:	Chemical goggles if there is a risk of eye contact.
Body Protection:	Normal work wear.
Protection During Application:	During application, adequate ventilation must be provided.

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9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State:	Liquid
Colour:	Colourless
Odour:	Characteristic
Flashpoint (PMCC) (°C):	12
Explosion Limits (%):	Not determined
Solubility in water (kg/m3):	Soluble
Flammability	Classified as “Highly Flammable” in the EEC
Auto-flammability	Not determined

Vapour Density (Air=1):	Heavier than air.
Evaporation Rate	> 1 (referenced as n-butyl acetate = 1)
10. STABILITY AND REACTIVITY	
Stability:	No unusual reactivity.
Conditions to Avoid:	Static discharge.
Materials to avoid:	Strong oxidizing agents.
Hazardous Decomposition Products:	None known
11. TOXICOLOGICAL INFORMATION	
Acute Toxicity	Low order of acute toxicity.
12. ECOLOGICAL INFORMATION	
Mobility:	If released to air it will disperse rapidly.
13. DISPOSAL CONSIDERATIONS	
Product Disposal	Dispose of in accordance with all applicable local and national regulations.
Container Disposal:	Dispose of containers with care.

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14. TRANSPORTATION INFORMATION	
UN Number:	1993
UN Proper Shipping Name:	Flammable liquid, n.o.s. (Isopropanol)
UN Class	3
UN Packaging Group	II
ADR/RID Substance Identification Number	1993
ADR/RID - Description	Inflammable liquids having a flash-point below 21°C, not toxic and not corrosive.
ADR/RID - Class	3
ADR/RID - Item No.	3b
ADR/RID - Hazard Identification Number	33
IMDG - Proper Shipping Name	Flammable liquid, n.o.s. (Isopropanol)
IMDG - Packaging Group	II
IMDG - Class	3.2
IMDG - Marine Pollutant	No.
IMDG - Ems Number	3-07
IMDG - Page Number	3230
IATA - Proper Shipping Name	Flammable liquid, n.o.s. (Isopropanol)
IATA - Packaging Group	II
IATA - Class	3
Tremcard No. TEC(R)	527
15. REGULATORY INFORMATION	
Labeling Information	

F

Highly Flammable

R Phrases:

Highly flammable.

S Phrases:

Keep away from sources of ignition - No smoking.
Do not breathe gas/fumes/vapour/spray. Keep container
tightly closed, in a cool well ventilated place. Take
measures against static discharges. Keep out of reach

precautionary
of children.

16. OTHER INFORMATION:

Product Use:

For industrial use only. Cleaning solvent.

MSDS first issued:

2/23/98

MSDS data revised:

2/23/98

EC Legislation

EC Directive 91/155/EEC defining the laying down and
detailed arrangements for the system
of specific information relating to
dangerous preparations.

EC Directive 88/379/EEC relating to the classification,
packaging and labelling of dangerous preparations.

To the best of our knowledge, the information contained herein is accurate. However, all materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist.