

**SPI Supplies Division**  
**Structure Probe, Inc.**  
P.O. Box 656 West Chester, PA 19381-0656 USA  
Phone: 1-(610)-436-5400 Fax: 1-(610)-436-5755  
E-mail: [spi3spi@2spi.com](mailto:spi3spi@2spi.com)  
WWW: <http://www.2spi.com>  
Manufacturer's CAGE: 1P573



# Material Safety Data Sheet

SPI #01053-AB [SPI Metal Bright™ Spray](#)

## Section 01: Identification

Date Effective..... January 14, 2010  
(most recent revision)

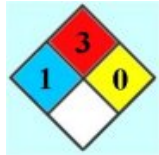
Chemical Name/Synonyms... **SPI Metal Bright Spray**



Chemical family..... Ethyl alcohol major constituent. Product is described as being made up of 1]concentrate and 2]propellant. Composition of the concentrate is as follows: 80% ethyl alcohol, 5% polycarbonic resin, and 15% other inert ingredients.

**Emergencies** Contacting CHEMTREC 24 Hour Emergency  
Use Only #'s..... Worldwide phone : 1-(703)-527-3887  
Worldwide FAX : 1-(703)-741-6090  
Toll-free phone : 1-(800)-424-9300 USA only

Product or Trade Name.... SPI #01050-AB Metal Bright Spray  
(Formulated for use with vacuum evaporators and other vacuum coaters not requiring exposure to heat)

<b>Hazardous Material Information System USA</b>	<b>Health</b>	1	<b>National Fire Protection Association USA</b>	
	<b>Fire Hazard</b>	3		
	<b>Reactivity</b>	0		
	<b>Personal Protection</b>			

NFPA (National Fire Protection Association) Rating (Scale 0-4):  
HEALTH=1 FLAMMABILITY=3 REACTIVITY=0 OTHER=0  
Not known

## Section 02: Composition

Component Name	CAS #	Percent	EINECS/ELINCS
<b>CONCENTRATE:</b>			
Ethyl alcohol	64-17-5	60	n/a
Polycarbonate Resin	n/a	3.75	n/a

Inert ingredients	n/a	11.25	n/a
<b>PROPELLANT:</b> Hydrocarbon blend A46			
Isobutane	75-28-5	21.25	200-857-2
Propane	74-98-6	3.75	200-827-9

---

### Section 3: Hazard Identification

**Potential health effects (acute and chronic):** Eye, skin, and inhalation hazards exist.

**Symptoms of exposure:** Not known. However, the classic symptoms of exposure to alcohol in excess would include irritation of the eyes and respiratory tract; headache, dizziness, drowsiness, fatigue, nausea, tremor, narcosis

**Medical condition aggravated by exposure:** Not known.

**Routes of entry:** Mainly inhalation, but to a much lesser degree via ingestion or skin contact.

**Carcinogenicity:** The material is not listed IARC- International Agency for Research on Cancer; NTP-National Toxicology Program; OSHA-Occupational Safety and Health Administration) as cancer causing agent. Not on "Z" list either.

**Toxicity data:** Not known.

---

### Section 4: First Aid Measures

**Emergency and first aid procedures:**

Get medical assistance for all cases of over-exposure.

**Skin:** Wash thoroughly with flowing water or shower.

**Eyes:** Immediately flush thoroughly with water for at least 15 minutes.

**Inhalation:** Remove to fresh air. Artificial respiration if breathing has stopped.

**Ingestion:** If conscious, drink water and induce vomiting. Immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

---

### Section 5: Fire Fighting Measures

Flash Point..... 4°C (130°F) (ASTM D-56-69)

Flammability Classification: Aerosols, flammable (each not exceeding 1L capacity), Division 2.1, UN 1950

**Flammable limit in air, % by vol:**

LEL (Lower Explosive Limit) : Not known

UEL (Upper Explosive Limit) : Not known

**Fire Extinguishing Media:** Dry Chemical, CO2, foam

**Special Firefighting Procedure.....** Not normally necessary

**Unusual Fire and Explosion Hazards:** Containers may build pressure at elevated temperature. If exposed to heat, if possible, containers should be cooled with a water spray.

**Special Conditions to Avoid:** High temperatures, flames, sparks

**Firefighting Procedure:** Wear self-contained breathing apparatus.

---

## Section 6: Accidental Release Measures

**Spill Response:** A "spill" could only occur if a container was punctured. While there would be an immediate release of the contents, because of the vapor pressure, the volatiles would evaporate almost immediately, hence there would be nothing left to "clean up".

**Disposal considerations:** Because of the above, there would be nothing left to dispose of except for the now completely empty and depressurized aerosol cans which could be discarded as any other non-hazardous metal can. However, in the unlikely event that there is actual liquid concentrate, in any case, do not flush down sewers or drains where danger of vapors becoming ignited is present.

---

## Section 7: Handling and Storage

**Handling:** Do not use while smoking or using a lighted flame. Keep away from ignition sources.

**Storage:** Store in a cool, dry area. Do not expose to extreme heat, sparks, or lighted flames.

---

## Section 8: Exposure Controls and Personal Protection

**Engineering Controls:** Use in a ventilated area

**Exposure Limits:**

**ACGIH Threshold Limit Value:** None established

**OSHA Permissible Exposure Limit:** None established

**Personal Protective Equipment:** None required

---

## Section 9: Physical and Chemical Properties

Boiling Point.....	760 mm Hg : 173° F (78.3°C)
Aerosol Package Preessure	46 psig
Coeff. of Water/Oil Dist.	NOT DETERMINED
pH (Liquids Only).....	NOT DETERMINED
% Volatile By Volume.....	90%
Vapor Pressure.....	mm Hg: Not known
Vapor Density/Air is 1...	Not known
Solubility In Water.....	Slightly
Appearance and Color.....	Product exists in form of aerosol and has no color in that form. As a liquid, which can not be seen, it is yellow to clear.
Specific Gravity.....	(H2O = 1): 0.83
Evaporation Rate.....	(n-butyl acetate = 1): Not known
Odor.....	No odor

---

## Section 10: Stability and Reactivity

**Stable:** Yes

**Hazardous Polymerization:** Does not occur.  
**Hazardous Decomposition Products:** CO2 (Carbon Dioxide)  
**Conditions to avoid:** Heat, Contact with ignition source.  
**Materials to avoid:** Oxidizing materials. Store away from all ignition sources.

---

## Section 11: Toxicological Information

**LD50/LC50 Information:**  
Rat oral LD50 >50 g/kg  
Rabbit Skin Irritation: Not irritating  
Rabbit Eye Irritation: Mild

---

## Section 12: Ecological Information

**Exotoxicity:** Exotoxicity is expected to be low based on the high vapor pressure of the ingredients and very low amount of polymer present in each can. This product is free from ozone depleting ingredients.

**Environmental Fate:** No information found in our selected references.

**Bioaccumulation:** Not expected to occur.

---

## Section 13: Disposal Considerations

This material is meant to be used until a can is empty. The only thing possibly remaining in the can would be a small amount of polymer residue, much like would be left over from a consumer can of hair spray.

Disposal then should be according to local, state and federal regulations. The aerosol can itself should be suitable for recycling.

---

## Section 14: Transport Information

Proper Shipping Name: Aerosols, flammable ( each not exceeding 1L capacity)

DOT Hazard Class: Aerosols, flammable (each not exceeding 1L capacity),  
Division 2.1

UN/NA ID: UN #1950  
Marine Pollutant: No

---

## Section 15: Regulatory Information

**TSCA:**  
All components of this product are listed on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) Export Notification Rule, they will be listed below.

TSCA 12(b) Component	Listed under TSCA Section
----------------------	---------------------------

### SARA-Section 313 Emissions Reporting:

Component	Reporting Threshold
-----------	---------------------

**SARA-Section 311/312:**  
No components present in this product are subject to the reporting requirements of this statute.

**CERCLA Hazardous Substances and their Reportable Quantities:**

Component	Reportable Quantity
-----------	---------------------

**California Prop. 65:**

Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by the State of California to cause cancer or reproductive toxicity, it will be listed below:

**European/International Regulations:**

European Labeling in Accordance with EC Directives



**Hazard Symbols:** F: Highly Flammable

**Risk Phrases:**

R 11 Highly Flammable

**Safety Phrases:**

S 15 Keep away from heat  
S 16 Keep away from sources of ignition – No smoking

**WGK (Water Danger/Protection):**

CAS# 67-17-5 :1

Canada

WHMIS: This product has a WHMIS classification of B2

**DSL/NDSL:**

CAS# 67-17-5 is on the DSL List.  
CAS# 75-28-5 is on the DSL List.  
CAS# 74-98-6 is on the DSL List.

---

**Section 16: Other Information**

**Disclaimer of Liability:**

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues of fluids.

\*\*\*\*\*

The information and recommendations set forth above are taken from sources believed to be accurate as of the date hereof, however SPI Supplies and Structure Probe, Inc. make no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assume no liability to any user thereof. The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of work place risks as required by other health and safety legislation. Be aware of the Structure Probe, Inc. [Copyright Policy](#). Structure Probe, Inc. grants a nonexclusive license to make unlimited copies of this safety sheet for internal use only. Quite obviously, this information would pertain only to this material when purchased from SPI Supplies as product from other sources, with other ingredients and impurity levels could have substantially different properties.

---

**ON-LINE** [To Ask a Question or Make a Comment](#)

**ON-LINE** [To Place an Order or Request a Quote](#)

Search  
**SPI Navigator**  
Index

---

Return to:

- [SPI Supplies MSDS Safety Sheets Table of Contents](#)
- [SPI Supplies Catalog Table of Contents](#)
- [SPI Supplies Home Page](#)

---

© [Copyright](#) 1999 - . By Structure Probe, Inc.  
[Contacting SPI Supplies and Structure Probe, Inc.](#)

All rights reserved.

All trademarks and trade names are the property of their respective owners.

[Privacy Policy](#)

[Worldwide Distributors, Representatives, and Agents](#)

