

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: sp13spi@2spi.comWWW: <http://www.2spi.com>

Manufacturer's CAGE: 1P573



Material Safety Data Sheet

SPI #02821-AB, 02821-CA, 02821-NA SPI-Chem™ BDMA; N, N-Dimethylbenzylamine; Benzyldimethylamine

Component of 02663-AB SPI-Pon™ 812 Kit, BDMA Formulation

Section 01 Identification

Date Effective..... January 8, 2009
(most recent revision)

Chemical Name/Synonyms... Benzyl dimethylamine;
N,N-Benzyldimethylamine; N,N-Dimethylbenzylamine

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 #02821-AB, 02821-CA, 02821-NA BDMA
Synonyms..... Benzyldimethylamine; N,N-Benzyldimethylamine; N,
N-Dimethylbenzylamine

Hazardous Material Information System USA	Health	3	National Fire Protection Association USA	
	Fire Hazard	3		
	Reactivity	0		
	Personal Protection			

NFPA Ratings: (estimated)

Health: 3 Flammability: 3 Reactivity: 0

Section 2 Composition/Information on Ingredients

Component Name	CAS #	Percent	EINECS/ELINCS
Benzyldimethylamine	103-83-3	>99%	203-149-1

Section 3: Hazard Identification

Emergency overview:

Flammable, Corrosive

This material is extremely destructive to the tissue of the mucous membranes, the upper respiratory tract, the eyes, and the skin.

Appearance: Colorless liquid

Flash Point: 127.4°F (53°C) Closed Cup

Target Organs: Central Nervous System

Potential Health Effects

Eye: Causes burns. Eye contact harmful.

Skin: Causes burns. Harmful if absorbed through skin. Skin contact may cause sensitization.

Ingestion: Harmful by ingestion.

Inhalation: Harmful by inhalation. Inhalation may cause sensitization. Symptoms of exposure may include burning sensation, coughing, wheezing, shortness of breath, laryngitis, headache, nausea, and vomiting. Exposure may lead to edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema.

Section 4: First Aid Measures

Eyes: In case of eye contact, immediately flush eyes with copious amounts of water for at least 15 minutes, lifting the eyelids. Seek medical attention.

Skin: In case of skin contact, flush skin with copious amounts of water for at least 15 minutes. Remove contaminated shoes and clothing. Seek medical attention.

Ingestion: If the victim is alert and conscious, rinse mouth out with water. Seek immediate medical attention. Do not induce vomiting.

Inhalation: Remove victim to fresh air. If breathing stops, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Notes to Physician: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

General Information: Flammable liquid. Emits toxic fumes under fire conditions. Containers may explode under fire conditions. Flash back danger - vapor may travel back considerable distance to a source of ignition and flash back.

Flash Point: 127.4°F (53°C) Closed Cup

Explosion Limits:

Lower: 0.9%

Upper: 6.3%

Autoignition Temperature: 410°C

Extinguishing Media:

Alcohol foam, dry chemical, or carbon dioxide for small fires. Flooding quantities of water as a mist or spray for large fires. Solid streams of water may be ineffective.

Protective Equipment:

Wear full fire fighting protective clothing, including a full face piece, positive pressure, self contained breathing apparatus to prevent skin and eye contact.

Section 6: Accidental Release Measures

General Information:

Evacuate area. Eliminate sources of ignition. Use non-sparking equipment.

Spills/Leaks:

Wear self-contained breathing apparatus, rubber boots, rubber gloves.

Cover with inert material such as sand, soda ash, or dry lime. Place in sealed containers for disposal. Ventilate area. Wash spill site after pick-up is complete.

Section 7: Handling and Storage

Handling:

Use only in a chemical fume hood - do not breathe vapor. Use rubber gloves, chemical safety goggles and protective clothing to avoid all eye and skin contact. Avoid prolonged or repeated exposure.

Storage:

Store in tightly sealed containers in a cool, dry area away from all sources of ignition.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Safety shower, eye wash station and chemical fume hood required for work area.

Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzyldimethylamine	n/a	n/a	n/a

Personal Protective Equipment

Eyes: Chemical splash goggles with face shield.

Skin: Chemical resistant gloves to prevent skin contact.

Clothing: Protective clothing to prevent skin contact.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary. If risk assessment indicates that air purifying respirators are needed, use a full-face respirator with multi-purpose combination respirator cartridges.

Section 9: Physical and Chemical Properties

Physical State:	Liquid
Appearance:	Colorless
Odor:	amine-like
pH:	10 @20°C, concentration 10 g/l
Vapor Pressure:	n/a
Vapor Density:	n/a
Evaporation Rate:	n/a
Viscosity:	n/a
Boiling Point:	178-181°C
Freezing/Melting Point:	-75°C
Autoignition Temperature:	410°C
Flash Point:	127.4°F (53°C) Closed Cup
Decomposition Temperature:	n/a
Explosion Limits,	
Lower:	0.9%
Upper:	6.3%
Solubility in water:	soluble
Specific Gravity/Density:	0.899 g/cm ³
Molecular Formula:	C ₆ H ₅ CH ₂ N(CH ₃) ₂
Molecular Weight:	135.21

Section 10: Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Heat, sources of ignition

Incompatibility with Other Materials: Strong oxidizing agents, Acids, Acid chlorides, Carbon dioxide

Hazardous Decomposition of Products: Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Nitric acid

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

RTECS#: DP4500000

CAS# 103-83-3:

LD50	Rat, oral	265 mg/kg
LD50	Rabbit, skin	1660 mg/kg

Other Studies:

Skin studies with rabbits show severe skin irritation effects. Eye studies with rabbits show severe eye irritation effects.

Section 12: Ecological Information

The ecological effects of this material have not been fully investigated. Therefore, take care to prevent it from entering the ground, boc

Exotoxicity:

Aquatic:

LC50	Fathead minnow	35.8-39.9 mg/l (96 hours)
------	----------------	---------------------------

Section 13: Disposal Considerations

Disposal should be via a licensed professional disposal service. This material may be burned in a chemical incinerator equipped with an afterburner and scrubber, but caution should be exercised to the highly flammable nature of the material. Observe all federal, state and local regulations.

Section 14: Transport Information

US DOT Hazard Class:

Proper shipping name: Benzylidimethylamine
UN#: 2619
Class: 8
Packing Group II
Label: Corrosive
Label: Flammable Liquid
Not a poisonous inhalation hazard (PIH)

IATA (for international shipments)

Proper shipping name: Benzylidimethylamine
UN#: 2619
Class: 8
Packing Group II

Section 15: Regulatory Information

United States:**TSCA**

CAS# 103-83-3 is listed on the TSCA Inventory.

SARA:

CAS# 103-83-3 is not listed under SARA.

California Prop. 65:

CAS# 103-83-3 is not listed under California Prop. 65.

European/International Regulations:

European Labeling in Accordance with EC Directives

Hazard Symbols: Xn, C harmful, corrosive

Risk Phrases:

R10 Flammable
R20/21/22 Harmful by inhalation in contact with skin and if swallowed.
R34 Causes burns
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S1/2 Keep locked up and out of reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.
S36 Wear suitable protective clothing.

CAMADA**WHMIS:**

This material has a WHMIS classification of B2, E.

DSL/NDSL List:

CAS# 103-83-3 is listed on the DSL List and is not listed on the NDSL 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
SPINavigator
Index

Return to:

- [SPI Supplies MSDS Safety Sheets Table of Contents](#)
- [SPI Supplies Victawet® 35B](#)
- [SPI Supplies Catalog Table of Contents](#)
- [SPI Supplies Home Page](#)

© [Copyright](#) 2000 - . 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](#) 