



Revision Date: 02/15/2019

SAFETY DATA SHEET

1. Identification

Product identifier: BLUESIL V-249 A

Recommended use and restriction on use

Recommended use: Molding diverse objects.

Restrictions on use: None known.

Manufacturer/Importer/Supplier/Distributor Information

Supplier

Company Name: Elkem Silicones USA Corp. Address: Two Tower Blvd, Suite 1601

08816-1100 East Brunswick, NJ

Telephone: +1 (732) 227-2060 Fax: +1 (732) 249-7000

Emergency telephone number: +1 (800) 424-9300 CHEMTREC

2. Hazard(s) identification

Hazard Classification

Label Elements

Hazard Symbol: No symbol.

Signal Word: No signal word.

Hazard Statement: Quartz: When encapsulated in a polymer, is not expected to pose a health

hazard when processed under normal conditions of use.

Precautionary Statements

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Other hazards which do not result in GHS classification:

No data available.

3. Composition/information on ingredients

Mixtures

Composition Comments: Mixture of Polyorganosiloxanes, fillers.

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4. First-aid measures

General information: For further information refer to section 8 "Exposure-controls/personal

protection".

Ingestion: Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if

symptoms occur.

Inhalation: Under normal conditions of intended use, this material is not expected to be

an inhalation hazard.

Skin Contact: Wash skin thoroughly with soap and water. Get medical attention if

symptoms occur after washing.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water.

Continue to rinse for at least 15 minutes. Get medical attention if irritation

persists after washing.

Most important symptoms/effects, acute and delayed

Symptoms: None known.

Hazards: No specific recommendations.

Indication of immediate medical attention and special treatment needed

Treatment: No specific recommendations.

5. Fire-fighting measures

General Fire Hazards: No specific recommendations.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing

media:

None known.

Specific hazards arising from

the chemical:

Product will burn under fire conditions. Hazardous Decomposition Products

: formaldehyde, oxides of carbon and silica.

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

Water spray should be used to cool containers.

Special protective equipment

for fire-fighters:

Firefighters should wear standard protective equipment and a positive

pressure self-contained breathing apparatus (SCBA).

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

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Methods and material for

containment and cleaning

up:

Absorb with sand or other inert absorbent and place into containers.

Notification Procedures: Caution: Contaminated surfaces may be slippery. For waste disposal, see

Section 13 of the SDS.

Environmental Precautions: Do not allow to enter drains, sewers or watercourses.

7. Handling and storage

Precautions for safe handling: No specific precautions.

Conditions for safe storage,

including any incompatibilities:

No special storage precautions noted.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Quartz and Calcium Carbonate: When encapsulated in a polymer, are not expected to pose a health hazard when processed under normal conditions

of use.

Appropriate Engineering

Controls

No specific recommendations.

Individual protection measures, such as personal protective equipment

General information: Provide sufficient ventilation during operations which cause vapor

formation.

Eye/face protection: Safety Glasses.

Skin Protection

Hand Protection: Protective gloves are recommended.

Other: Wear suitable protective clothing.

Respiratory Protection: No protection is ordinarily required under normal conditions of use and with

adequate ventilation.

Hygiene measures: Always observe good personal hygiene measures, such as washing after

handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance

Physical state: Liquid
Form: Viscous
Color: Pale yellow

Odor: Faint

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Odor threshold:

pH:

No data available.

Not applicable

No data available.

Boiling Point:

No data available.

No data available.

Flash Point: 399 °F (204 °C) (Closed Cup)

Evaporation rate:

Flammability (solid, gas):

Flammability limit - upper (%):

Flammability limit - lower (%):

No data available.

No data available.

No data available.

Vapor pressure:NegligibleVapor density:1.0 AIR=1

Density: Approximate 1.28 kg/dm3 (68 °F (20 °C))

Solubility(ies)

Solubility in water: Insoluble
Solubility (other): Toluene

Partition coefficient (n-octanol/water):

Auto-ignition temperature:

No data available.

No data available.

No data available.

Viscosity:

No data available.

Other information

Oxidizing properties: According to the data on the components Not considered as

oxidizing. (according to EC criteria)

10. Stability and reactivity

Reactivity: No data available.

Chemical Stability: Stable

Possibility of hazardous

reactions:

Will not occur.

Conditions to avoid: No other information noted.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition

Products:

This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. Thermal decomposition or

combustion may liberate carbon oxides, other toxic gases or vapors and

amorphous silica.

11. Toxicological information

Information on likely routes of exposure

Ingestion: No effects expected (assessment based on ingredients).

Inhalation: No effects expected (assessment based on ingredients).

Skin Contact: No effects expected (assessment based on ingredients).

Eye contact: No effects expected (assessment based on ingredients).

Symptoms related to the physical, chemical and toxicological characteristics

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Ingestion: No data available.

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: No data available.

Dermal

Product: No data available.

Inhalation

Product: No data available.

Repeated dose toxicity

Product: No effects expected (assessment based on ingredients).

Skin Corrosion/Irritation

Product: No effects expected (assessment based on ingredients).

Serious Eye Damage/Eye Irritation

Product: No effects expected (assessment based on ingredients).

Respiratory or Skin Sensitization

Product: No effects expected (assessment based on ingredients).

Carcinogenicity

Product: No effects expected (assessment based on ingredients).

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No effects expected (assessment based on ingredients).

In vivo

Product: No effects expected (assessment based on ingredients).

Reproductive toxicity

Product: No effects expected (assessment based on ingredients).

Specific Target Organ Toxicity - Single Exposure

Product: No effects expected (assessment based on ingredients).

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Specific Target Organ Toxicity - Repeated Exposure

Product: No effects expected (assessment based on ingredients).

Aspiration Hazard

Product: No effects expected (assessment based on ingredients).

Other effects: None known.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No effects expected (assessment based on ingredients).

Aquatic Invertebrates

Product: No effects expected (assessment based on ingredients).

Chronic hazards to the aquatic environment:

Fish

Product: No effects expected (assessment based on ingredients).

Aquatic Invertebrates

Product: No effects expected (assessment based on ingredients).

Toxicity to Aquatic Plants

Product: No effects expected (assessment based on ingredients).

Persistence and Degradability

Biodegradation

Product: The product is not biodegradable.

BOD/COD Ratio

Product: Not determined.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: The product is not bioaccumulating.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: No data available.

Mobility in soil: No data available.

Other adverse effects: None known.

13. Disposal considerations

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in

accordance with applicable laws and regulations, and product

characteristics at time of disposal. Contaminated packages should be as

empty as possible.

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Chemical Identity
Calcium carbonate



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14. Transport information	
This material is not subject to transp	ort regulations.
Environmental hazards:	Not regulated.
Special precautions for user:	No special precautions.
15. Regulatory information	
US Federal Regulations	
	ptification (40 CFR 707, Subpt. D) ne present in regulated quantities.
CERCLA Hazardous Substand None present or no	ce List (40 CFR 302.4): ne present in regulated quantities.
Superfund Amendments and	Reauthorization Act of 1986 (SARA)
Hazard categories	
Acute (Immediate)	hronic (Delayed) Fire Reactive Pressure Generating
SARA 302 Extremely Haza None present or no	ardous Substance ne present in regulated quantities.
SARA 304 Emergency Rel None present or no	lease Notification ne present in regulated quantities.
SARA 313 (TRI Reporting) None present or no	ne present in regulated quantities.
	Hazardous Substances (40 CFR 117.3) ne present in regulated quantities.
	12(r) Accidental Release Prevention (40 CFR 68.130): ne present in regulated quantities.
US State Regulations	
US. California Proposition No ingredient regula	ated by CA Prop 65 present.
US. New Jersey Worker as Chemical Identity Calcium carbonate	nd Community Right-to-Know Act
IIS Massachusetts RTK -	Substance List

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US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Calcium carbonate

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

US TSCA Inventory: On or in compliance with the inventory.

Canada DSL Inventory List: On or in compliance with the inventory.

EINECS, ELINCS or NLP: On or in compliance with the inventory.

Japan (ENCS) List: On or in compliance with the inventory.

China Inv. Existing Chemical Substances: On or in compliance with the inventory.

Korea Existing Chemicals Inv. (KECI): On or in compliance with the inventory.

Philippines PICCS: On or in compliance with the inventory.

Australia AICS: On or in compliance with the inventory.

New Zealand Inventory of Chemicals: On or in compliance with the inventory.

16.Other information, including date of preparation or last revision

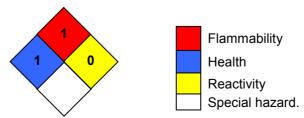
HMIS Hazard ID

Health	1
Flammability	1
Physical Hazards	0
PERSONAL PROTECTION	В

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

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Issue Date: 02/15/2019

Revision Date: No data available.

Version #: 10.0

Further Information: No data available.

Disclaimer: The information given is based on data available for the material, the

components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers

and the environment.

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SAFETY DATA SHEET

1. Identification

Product identifier: BLUESIL V-249 B

Recommended use and restriction on use

Recommended use: Molding diverse objects.

Restrictions on use: None known.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company Name: Elkem Silicones USA Corp. Address: 7979 Park Place Road

29745 York, SC

Telephone: +1 (803) 792-3000 Fax: +1 (803) 684-7202

Contact Person:

E-mail: product.stewardship@elkem.com

Supplier

Company Name: Elkem Silicones USA Corp.
Address: Two Tower Blvd, Suite 1601

08816-1100 East Brunswick, NJ

Telephone: +1 (732) 227-2060 Fax: +1 (732) 249-7000

Emergency telephone number: +1 (800) 424-9300 CHEMTREC

2. Hazard(s) identification

Hazard Classification

Health Hazards

Toxic to reproduction Category 2

Label Elements

Hazard Symbol:



Signal Word: Warning

Hazard Statement: Suspected of damaging fertility or the unborn child.

Precautionary Statements

Prevention: Use personal protective equipment as required.

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Response: IF exposed or concerned: Get medical advice/attention.

Other hazards which do not result in GHS classification:

Chemical compounds containing silicon - hydrogen bonds (SiH). This product may generate hydrogen gas. For further information, refer to

section 10: "Stability and Reactivity".

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Toluene	108-88-3	0.1 - <1%
Octamethylcyclotetrasiloxane	556-67-2	0.1 - <1%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Mixture of Polyorganosiloxanes.

4. First-aid measures

General information: For further information refer to section 8 "Exposure-controls/personal

protection".

Ingestion: Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if

symptoms occur.

Inhalation: Under normal conditions of intended use, this material is not expected to be

an inhalation hazard.

Skin Contact: Wash contact areas with soap and water. Get medical attention if

symptoms occur after washing.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water.

Continue to rinse for at least 15 minutes. Get medical attention if irritation

persists after washing.

Most important symptoms/effects, acute and delayed

Symptoms: None known.

Hazards: No specific recommendations.

Indication of immediate medical attention and special treatment needed

Treatment: No specific recommendations.

5. Fire-fighting measures

General Fire Hazards: No specific recommendations.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

Dry chemical, alcohol resistant foam or carbon dioxide (CO2).

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Unsuitable extinguishing

media:

Do not use water jet as an extinguisher, as this will spread the fire. Do not

use alkaline powders.

Specific hazards arising from

the chemical:

This product may generate hydrogen gas. Vapors may form explosive mixtures with air. For further information, refer to section 10: "Stability and Reactivity". Hazardous Decomposition Products: formaldehyde, oxides of

carbon and silica.

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

Water spray should be used to cool containers.

Special protective equipment

for fire-fighters:

Firefighters should wear standard protective equipment and a positive

pressure self-contained breathing apparatus (SCBA).

6. Accidental release measures

Personal precautions, protective equipment and

emergency procedures:

Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with alkalis and caustic

products. Eliminate all sources of ignition.

Methods and material for containment and cleaning

up:

Avoid contact with alkalis and caustic products. Use non-sparking tools. Absorb with sand or other inert absorbent. Scrape up and place in

appropriate vented container.

Notification Procedures: Caution: Contaminated surfaces may be slippery. For waste disposal, see

Section 13 of the SDS.

Environmental Precautions: Collect spillage. Prevent entry into waterways, sewer, basements or

confined areas. Mechanically ventilate the spillage area to prevent the

formation of explosive concentrations.

7. Handling and storage

Precautions for safe handling: Provide sufficient ventilation during operations which cause vapor

formation. Do not mix with incompatible materials. For further information,

refer to section 10: "Stability and Reactivity". Read and follow

manufacturer's recommendations.

Conditions for safe storage,

including any incompatibilities:

Store in original vented container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high

temperatures.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

No exposure limits noted for the ingredient(s).

Appropriate Engineering

Controls

No specific recommendations.

Individual protection measures, such as personal protective equipment

General information: Provide sufficient ventilation during operations which cause vapor

formation.

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Eye/face protection: Safety Glasses.

Skin Protection

Hand Protection: Protective gloves are recommended.

Other: Wear suitable protective clothing.

Respiratory Protection: No protection is ordinarily required under normal conditions of use and with

adequate ventilation.

Hygiene measures: Always observe good personal hygiene measures, such as washing after

handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance

Physical state: Liquid
Form: Viscous
Color: Colorless
Odor: Odorless

Odor threshold:

pH:

Not applicable

Freezing point:

No data available.

No data available.

> 320 °F (160 °C)

Flash Point: > 205 °F (96 °C) (Tagliabue Closed Cup)

Evaporation rate:

Flammability (solid, gas):

Flammability limit - upper (%):

Flammability limit - lower (%):

Vo data available.

74 %(V) Hydrogen.

4 %(V) Hydrogen.

Vapor pressure: < 134 hPa (122 °F (50 °C))

Vapor density:No data available.Density:No data available.

Solubility(ies)

Solubility in water: Insoluble

Solubility (other):Acetone: Very slightly soluble.
Ethanol: Very slightly soluble.

Diethylether: Miscible (in all proportions).

Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions).

Partition coefficient (n-octanol/water): No data available.

Auto-ignition temperature: 932 °F (500 °C) Hydrogen.

Decomposition temperature:No data available. **Viscosity:**No data available.

Other information

Oxidizing properties: According to the data on the components Not considered as

oxidizing. (according to EC criteria)

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10. Stability and reactivity

Reactivity: No data available.

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous

reactions:

This product may generate hydrogen gas.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials: A fire or explosion hazard arises because highly flammable gas (hydrogen)

is released when it is in contact with: Strong oxidizers, strong bases and chemical compounds with mobile hydrogen, in the presence of metal salts

and complexes.

Hazardous Decomposition

Products:

This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. Thermal decomposition or

combustion may liberate carbon oxides, other toxic gases or vapors and

amorphous silica.

Quantity of hydrogen potentially released (I/kg of product): < 65

11. Toxicological information

Information on likely routes of exposure

Ingestion: No effects expected (assessment based on ingredients).

Inhalation: No effects expected (assessment based on ingredients).

Skin Contact: No effects expected (assessment based on ingredients).

Eye contact: No effects expected (assessment based on ingredients).

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: No data available.

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: No data available.

Dermal

Product: No data available.

Inhalation

Product: No data available.

Repeated dose toxicity

Product: No effects expected (assessment based on ingredients).

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Skin Corrosion/Irritation

Product: No effects expected (assessment based on ingredients).

Serious Eye Damage/Eye Irritation

Product: No effects expected (assessment based on ingredients).

Respiratory or Skin Sensitization

Product: No effects expected (assessment based on ingredients).

Carcinogenicity

Product: No effects expected (assessment based on ingredients).

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No effects expected (assessment based on ingredients).

In vivo

Product: No effects expected (assessment based on ingredients).

Reproductive toxicity

Product: No data available.

Specified substance(s):

Toluene Suspected of damaging the unborn child.

Specified substance(s):

Octamethylcyclotetrasilox Suspected of damaging fertility.

ane

Specific Target Organ Toxicity - Single Exposure

Product: No effects expected (assessment based on ingredients).

Specific Target Organ Toxicity - Repeated Exposure

Product: No effects expected (assessment based on ingredients).

Aspiration Hazard

Product: No effects expected (assessment based on ingredients).

Other effects: None known.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No effects expected (assessment based on ingredients).

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Aquatic Invertebrates

Product: No effects expected (assessment based on ingredients).

Chronic hazards to the aquatic environment:

Fish

Product: No effects expected (assessment based on ingredients).

Aquatic Invertebrates

Product: No effects expected (assessment based on ingredients).

Toxicity to Aquatic Plants

Product: No effects expected (assessment based on ingredients).

Persistence and Degradability

Biodegradation

Product: The product is not readily biodegradable.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: The product is not bioaccumulating.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: No data available.

Mobility in soil: No data available.

Other adverse effects: None known.

13. Disposal considerations

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in

accordance with applicable laws and regulations, and product

characteristics at time of disposal. Waste of this material should not be mixed with other waste. Provide measures such as vented bungs to ensure pressure relief in the waste container. Contaminated packages should be

as empty as possible and equipped with a degassing device.

14. Transport information

This material is not subject to transport regulations.

Environmental hazards: Not regulated.

Special precautions for user: Packaging with a breathing/venting bung are FORBIDDEN for transport by

air.

15. Regulatory information

US Federal Regulations

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TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

	Acute (Immediate)	X	Chronic (Delayed)	Fire	Reactive	Pressure Gener
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SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



This product can expose you to chemicals including

Toluenewhich is [are] known to the State of California to cause birth defects or other reproductive harm.

Benzenewhich is [are] known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

Chemical Identity

Benzene

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

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Inventory Status:

US TSCA Inventory: On or in compliance with the inventory.

Canada DSL Inventory List: On or in compliance with the inventory.

EINECS, ELINCS or NLP: On or in compliance with the inventory.

China Inv. Existing Chemical Substances:

On or in compliance with the inventory.

Korea Existing Chemicals Inv. (KECI): On or in compliance with the inventory.

Australia AICS: On or in compliance with the inventory.

New Zealand Inventory of Chemicals: On or in compliance with the inventory.

Taiwan Chemical Substance Inventory: On or in compliance with the inventory.

16.Other information, including date of preparation or last revision

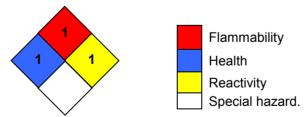
HMIS Hazard ID

Health	*		1
Flammability			1
Physical Hazards			1
PERSONAL PROTECTION	ON		В

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date: 02/15/2019

Revision Date: 11/09/2009

Version #: 8.0

Further Information: No data available.

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Disclaimer:

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

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