CV-2391 Part A





Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 03/16/2020 Date of Issue: 04/09/2014

Version: 3.0

SECTION 1: Identification

1.1. Product identifier

Product Form : Mixture

Product Name : CV-2391 Part A Synonyms Silicone Foam

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : For professional use only.

1.3. Details of the supplier of the safety data sheet

NuSil Technology LLC 1050 Cindy Lane

Carpinteria, California 93013

USA

(805) 684-8780 ehs@nusil.com

www.nusil.com

1.4. Emergency telephone number

Emergency: 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International

number and Maritime)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

Other hazards not contributing : None under normal conditions.

to the classification

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Synthetic Amorphous,	(CAS No) 112945-52-5	5 - 10	Not classified
Pyrogenic Silica			
Platinum Catalyst	(CAS No) 68478-92-2	< 1	Skin Irrit. 2, H315
,	,		Eye Dam. 1, H318
			STOT SE 3, H335

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SECTION 4: First aid measures

Description of first aid measures 4.1.

First-aid measures general : Never give anything by mouth to an unconscious person. If you

feel unwell, seek medical advice (show the label where

possible).

First-aid measures after

: When symptoms occur: go into open air and ventilate inhalation

suspected area. Obtain medical attention if breathing difficulty

persists.

First-aid measures after skin

contact

: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if

irritation develops or persists.

First-aid measures after eye

contact

: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Obtain medical attention.

First-aid measures after

ingestion

: Rinse mouth. Do NOT induce vomiting. Obtain medical

attention.

Most important symptoms and effects, both acute and delayed 4.2.

Symptoms/injuries : Not expected to present a significant hazard under anticipated

conditions of normal use.

Symptoms/injuries after

inhalation

: Prolonged exposure may cause irritation.

Symptoms/injuries after skin

contact

: Prolonged exposure may cause skin irritation.

Symptoms/injuries after eye

contact

: May cause slight irritation to eyes.

Symptoms/injuries after

ingestion

: Ingestion may cause adverse effects.

Chronic symptoms : None expected under normal conditions of use.

Indication of any immediate medical attention and special treatment needed If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-Fighting measures

Extinguishing media

Suitable extinguishing media : Water spray, dry chemical, alcohol-resistant foam, carbon

dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water

may spread fire. Application of water stream to hot product

may cause frothing and increase fire intensity.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not considered flammable but may burn at high temperatures.

Explosion hazard : Product is not explosive.

: Hazardous reactions will not occur under normal conditions. Reactivity

Advice for firefighters 5.3.

Precautionary measures fire : Exercise caution when fighting any chemical fire. Under fire

conditions, hazardous fumes will be present.

: Use water spray or fog for cooling exposed containers. Firefighting instructions

03/16/2020 EN (English US) 2/7 Protection during firefighting : Do not enter fire area without proper protective equipment,

including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid prolonged contact with eyes, skin and clothing. Avoid

breathing (vapor, mist, spray).

6.1.1. For non-emergency personnel

Protective equipment: Use appropriate personal protective equipment (PPE).

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Upon arrival at the scene, a first responder is expected to

recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration

and entry into sewers or streams.

Methods for cleaning up : Clean up spills immediately and dispose of waste safely.

Transfer spilled material to a suitable container for disposal.

Contact competent authorities after a spill.

6.4. Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and

water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing.

Avoid breathing vapors, mist, spray.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep container closed when not in use. Store in a dry, cool

place. Keep/Store away from direct sunlight, extremely high or

low temperatures and incompatible materials.

Incompatible products : Strong acids, strong bases, strong oxidizers.

7.3. Specific end use(s)

For professional use only.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

Synthetic Amorphous, Pyrogenic Silica (112945-52-5)			
USA OSHA	OSHA PEL (TWA) (mg/m³)	6 mg/m³	
USA OSHA	OSHA PEL (TWA) (ppm)	20 mppcf (80 mg/m³/%SiO ₂)	

8.2. Exposure controls

Appropriate engineering

controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal protective equipment : Gloves. Protective clothing. Protective goggles.







Materials for protective clothing: Chemically resistant materials and fabrics.

Hand protection : Wear protective gloves. Eye protection : Chemical safety goggles.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : If exposure limits are exceeded or irritation is experienced,

approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved

respiratory protection.

Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Colorless
Odor : Odorless

Odor threshold : No data available : No data available На **Evaporation Rate** : No data available Melting point : No data available Freezing point : No data available Boiling point : No data available : > 135 °C (> 275 °F) Flash point **Auto-ignition Temperature** : No data available Decomposition temperature : No data available Flammability (solid, gas) : No data available : No data available Vapor pressure Relative vapor density at 20 °C : No data available

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Specific gravity : 1

Solubility : No data available
Partition coefficient: n-octanol/water : No data available
Viscosity : No data available

9.2. Other information

VOC content : < 1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous decomposition products

Silicon oxides. Carbon oxides (CO, CO₂). Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapors. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after : Prolonged exposure may cause irritation.

inhalation

Symptoms/injuries after skin : Prolonged exposure may cause skin irritation.

contact

Symptoms/injuries after eye : May cause slight irritation to eyes.

contact

Symptoms/injuries after : Ingestion may cause adverse effects.

inaestion

Chronic symptoms : None expected under normal conditions of use.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology – general : Not classified

12.2. Persistence and degradability

CV-2391 Part A	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

CV-2391 Part A		
Bioaccumulative potention	lc lc	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal : Dispose of contents/container in accordance with local,

recommendations regional, national, and international regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed or exempted from being listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. US State regulations

Synthetic Amorphous, Pyrogenic Silica (112945-52-5)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

SECTION 16: Other information, including date of preparation or last revision

Revision date : 03/16/2020

Other information : This document has been prepared in accordance with the SDS

requirements of the OSHA Hazard Communication Standard 29

CFR 1910.1200.

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NFPA health hazard : 1 - Exposure could cause irritation but

only minor residual injury even if no

treatment is given.

NFPA fire hazard : 1 - Must be preheated before ignition

can occur.

NFPA reactivity : 0 - Normally stable, even under fire

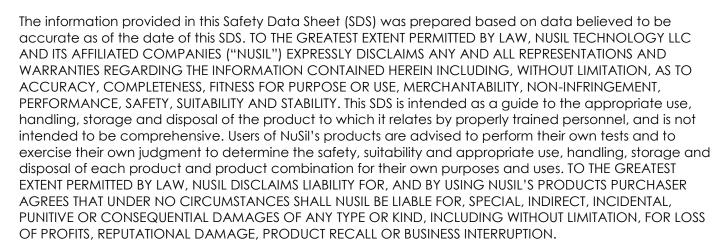
exposure conditions, and are not

reactive with water.

HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard
Physical : 0 Minimal Hazard



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CV-2391 Part B





Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 03/16/2020 Date of Issue: 05/12/2014

Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Product Form : Mixture

Product Name : CV-2391 Part B Synonyms Silicone Foam

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : For professional use only.

1.3. Details of the supplier of the safety data sheet

NuSil Technology LLC 1050 Cindy Lane

Carpinteria, California 93013

USA

(805) 684-8780

ehs@nusil.com www.nusil.com

1.4. Emergency telephone number

Emergency: 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International

number and Maritime)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

Other hazards not contributing : None under normal conditions.

to the classification

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Silanamine, 1,1,1-trimethyl-N- (trimethylsilyl)-, hydrolysis	(CAS No) 68909-20-6	< 10	Not classified
products with silica			

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you

feel unwell, seek medical advice (show the label where

possible).

First-aid measures after

inhalation

: When symptoms occur: go into open air and ventilate

suspected area. Obtain medical attention if breathing difficulty

persists.

First-aid measures after skin

contact

: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if

irritation develops or persists.

First-aid measures after eye

contact

: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Obtain medical attention.

First-aid measures after

ingestion

: Rinse mouth. Do NOT induce vomiting. Obtain medical

attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated

conditions of normal use.

Symptoms/injuries after

inhalation

: Prolonged exposure may cause irritation.

Symptoms/injuries after skin

contact

: Prolonged exposure may cause skin irritation.

Symptoms/injuries after eye

contact

: May cause slight irritation to eyes.

Symptoms/injuries after

ingestion

: Ingestion may cause adverse effects.

Chronic symptoms : None expected under normal conditions of use.

4.3. Indication of any immediate medical attention and special treatment needed If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-Fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, dry chemical, alcohol-resistant foam, carbon

dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water

may spread fire. Application of water stream to hot product

may cause frothing and increase fire intensity.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not considered flammable but may burn at high temperatures.

Explosion hazard : Product is not explosive.

Reactivity : Hazardous reactions will not occur under normal conditions.

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire. Under fire

conditions, hazardous fumes will be present.

Firefighting instructions : Use water spray or fog for cooling exposed containers.

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Protection during firefighting : Do not enter fire area without proper protective equipment,

including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid prolonged contact with eyes, skin and clothing. Avoid

breathing (vapor, mist, spray).

6.1.1. For non-emergency personnel

Protective equipment: Use appropriate personal protective equipment (PPE).

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Upon arrival at the scene, a first responder is expected to

recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration

and entry into sewers or streams.

Methods for cleaning up : Clean up spills immediately and dispose of waste safely.

Transfer spilled material to a suitable container for disposal.

Contact competent authorities after a spill.

6.4. Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and

water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing.

Avoid breathing vapors, mist, spray.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep container closed when not in use. Store in a dry, cool

place. Keep/Store away from direct sunlight, extremely high or

low temperatures and incompatible materials.

Incompatible products : Strong acids, strong bases, strong oxidizers.

7.3. Specific end use(s)

For professional use only.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica (68909-20-6)			
USA OSHA	OSHA PEL (TWA) (mg/m³)	6 mg/m³	
USA OSHA	OSHA PEL (TWA) (ppm)	20 mppcf (80 mg/m³/%SiO ₂)	

8.2. Exposure controls

Appropriate engineering

controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.

Ensure all national/local regulations are observed.

Personal protective equipment

: Gloves. Protective clothing. Protective goggles.







Materials for protective clothing: Chemically resistant materials and fabrics.

Hand protection : Wear protective gloves. Eye protection : Chemical safety goggles.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Wear solitable protective clothing.

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved

respiratory protection.

Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Colorless
Odor : Odorless

Odor threshold : No data available : No data available Hq **Evaporation Rate** : No data available Melting point : No data available Freezing point : No data available Boiling point : No data available Flash point $: > 135 \,^{\circ}\text{C} (> 275 \,^{\circ}\text{F})$ **Auto-ignition Temperature** : No data available Decomposition temperature : No data available Flammability (solid, gas) : No data available : No data available Vapor pressure Relative vapor density at 20 °C : No data available

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CV-2391 Part B

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Specific gravity : 1

Solubility : No data available
Partition coefficient: n-octanol/water : No data available
Viscosity : No data available

9.2. Other information

VOC content : < 1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous decomposition products

Silicon oxides. Carbon oxides (CO, CO₂). Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapors. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitization : Not classified : Not classified Carcinogenicity : Not classified : Not classified

Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after : Prolonged exposure may cause irritation.

inhalation

Symptoms/injuries after skin : Prolonged exposure may cause skin irritation.

contact

Symptoms/injuries after eye : May cause slight irritation to eyes.

contact

Symptoms/injuries after : Ingestion may cause adverse effects.

ingestion

Chronic symptoms : None expected under normal conditions of use.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology – general : Not classified

12.2. Persistence and degradability

CV-2391 Part B	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

CV-2391 Part B	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal : Dispose of contents/container in accordance with local,

recommendations regional, national, and international regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed or exempted from being listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. US State regulations

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica (68909-20-6)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

SECTION 16: Other information, including date of preparation or last revision

Revision date : 03/16/2020

Other information : This document has been prepared in accordance with the SDS

requirements of the OSHA Hazard Communication Standard 29

CFR 1910.1200.

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CV-2391 Part B

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

NFPA health hazard : 1 - Exposure could cause irritation but

only minor residual injury even if no

treatment is given.

NFPA fire hazard : 1 - Must be preheated before ignition

can occur.

NFPA reactivity : 0 - Normally stable, even under fire

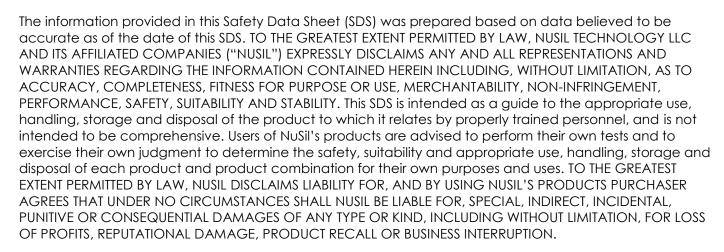
exposure conditions, and are not

reactive with water.

HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard
Physical : 0 Minimal Hazard



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