

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form Mixture

Product Name CF1-6755 Part A

Synonyms Optically Clear Silicone Elastomer

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

1.2.1. Relevant identified uses

Industrial/Professional use spec Industrial

Use of the substance/mixture

An adhesive or encapsulates for applications requiring optical

clarity. For professional use only.

1.2.2. Uses advised against

No additional information available

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 and

number Maritime)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other Hazards

Other hazards not contributing to Exposure may aggravate those with pre-existing eye, skin, or

the classification respiratory conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Within the meaning of Regulation (EC) No 1272/2008: this mixture is not considered a hazard when used in a manner which is consistent with the labeled directions.

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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 Remove person to fresh air and keep comfortable for breathing.

Obtain medical attention if breathing difficulty persists.

First-aid measures after skin Remove contaminated clothing. Drench affected area with water

contact

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 so. Continue rinsing. Obtain

medical attention if irritation persists.

First-aid measures after ingestion Rinse mouth. Do not induce vomiting. Seek medical attention if a

large amount is swallowed.

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

Symptoms/injuries after skin

contact

Prolonged exposure to liquid may cause a mild irritation. Contact during a long period may cause slight irritation.

Symptoms/injuries after eye

contact

May cause slight irritation.

Symptoms/injuries after ingestion Ingestion is likely to be harmful or have adverse effects. Chronic symptoms The chronic effects of this substance are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use extinguishing media appropriate for surrounding fire.

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.

major fire and large quantities: Evacuate area. Fight fire remotely

due to the risk of explosion.

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

including respiratory protection.

Other information Will decompose above 150 °C (> 300 °F) releasing formaldehyde

vapours. Do not allow run-off from firefighting to enter drains or

water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Do not get in eyes, on skin, or on clothing. Avoid breathing (vapour,

mist, spray).

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6.1.1. For non-emergency personnel

Protective equipment Use appropriate personal protection 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.

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.

6.4. Reference to other sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

processed

Additional hazards when Any proposed use of this product in elevated-temperature processes

should be thoroughly evaluated to assure that safe operating

conditions are established and maintained.

Precautions for safe handling

Avoid all eye and skin contact and do not breathe vapour and mist.

Hygiene measures

Handle in accordance with good industrial hygiene and safety

procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures Comply with applicable regulations.

Storage conditions Store in a dry, cool and well-ventilated place. Keep container

closed when not in use. Keep/Store away from extremely high or low

temperatures, ignition sources, direct sunlight, incompatible

materials.

Incompatible products Strong acids. Strong bases. Strong oxidizers.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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 Protective goggles. Gloves. Protective clothing. Insufficient

ventilation: wear respiratory protection.









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Materials for protective clothing
Hand protection
Chemically resistant materials and fabrics.
Wear chemically resistant 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Translucent
Odour : Little

Odour threshold : No data available : No data available Relative evaporation rate (butylacetate=1) : No data available : No data available Melting point Freezing point : No data available Boiling point : No data available Flash point : > 135 °C (275 °F) : No data available Auto-ignition temperature Decomposition temperature : No data available Flammability (solid, gas) : No data available Vapour pressure : No data available

Relative vapour density at 20 °C : No data available Relative Density : 1,2 (Water = 1) Solubility : Water: insouble Partition coefficient: n-octanol/water : No data available Viscosity, kinematic : No data available

Viscosity, dynamic : 40000 cP

Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : Not applicable

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

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, Extremely high or low temperatures, Incompatible materials, Ignition sources,

10.5. Incompatible materials

Strong oxidizing agents. strong acids. Strong bases.

10.6. Hazardous decomposition products

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

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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

Causes serious eye irritation

Respiratory or skin sensitisation
Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity
Not classified
Not classified
Not classified

Specific target organ toxicity (single exposure) : Not classified Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general Not classified.

12.2. Persistence and degradability

CF1-6755 Part A	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

CF1-6755 Part A		
Bioaccumulative potential	Not	established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations Dispose of waste material in accordance with all local, regional,

national, and international regulations.

Ecology - waste materials Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

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14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content < 1 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Section Header	Change	Date Changed
2	Hazards identification	Removed DSD/DPD information.	21/06/2016
3	Composition/information on ingredients	Modified. Removed not classified components. Removed DSD/DPD information.	21/06/2016

Revision date 21/06/2016

Data sources According to Regulation (EC) No. 1907/2006 (REACH) with its

amendment Regulation (EU) 2015/830

Nusil EU GHS SDS

We believe that the information contained herein is current as of the date of this Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of NuSil Technology, it is the user's obligation to determine the conditions of safe use of the product.



Safety Data Sheet

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Revision date: Date of issue: Version: 3.0 21/06/2016 10/12/2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form Mixture

Product Name CF1-6755 Part B

Synonyms Optically Clear Silicone Elastomer

Product group Commercial product

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

1.2.1. Relevant identified uses

Industrial/Professional use spec For professional use only

Use of the substance/mixture An adhesive or encapsulates for applications requiring optical clarity

Function or use category Lubricants and additives

1.2.2. Uses advised against

No additional information available

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 and

number Maritime)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements EUH210 - Safety data sheet available on request

2.3. Other Hazards

Other hazards not contributing to Exposure may aggravate those with pre-existing eye, skin, or

the classification respiratory conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

21/06/2016 EN (English) 1/7

Version uploaded 17/01/2018

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Silicic acid (H4SiO4), tetraethyl ester, reaction products with chlorodimethylsilane	(CAS No) 68988-57-8 (EC no) 273-531-0	1 - 3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general If medical advice is needed, have product container or label at

hand. If exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation If inhaled, remove to fresh air and keep at rest in a position

comfortable for breathing. Obtain medical attention if breathing

difficulty persists.

First-aid measures after skin

contact

Wash skin thoroughly with mild soap and water. Obtain medical

attention if irritation develops or persists.

First-aid measures after eye

contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical

attention if pain, blinking or redness persist.

First-aid measures after ingestion Do not induce vomiting. Seek medical attention if a large amount is

swallowed.

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

Symptoms/injuries None expected under normal conditions of use.

Symptoms/injuries after inhalation

Symptoms/injuries after skin

contact

May cause respiratory irritation.

May cause skin irritation.

Symptoms/injuries after eye

contact

May cause eye irritation.

Symptoms/injuries after ingestion Ingestion is likely to be harmful or have adverse effects. Chronic symptoms The chronic effects of this substance are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use extinguishing media appropriate for surrounding fire.

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. Firefighting instructions Use water spray or fog for cooling exposed containers. Protection during firefighting

Do not enter fire area without proper protective equipment,

including respiratory protection.

Other information Will decompose above 150 °C (> 300 °F) releasing formaldehyde

vapours. Refer to Section 9 for flammability properties.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Handle in accordance with good industrial hygiene and safety

practice.

6.1.1. For non-emergency personnel

section 8.2.

Emergency procedures Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment Use appropriate personal protection equipment (PPE).

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.

6.2. Environmental precautions

Avoid release to the environment.

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 any spills as soon as possible, using an absorbent material

to collect it. Collect absorbed material and place into a sealed,

labelled container for proper disposal.

6.4. Reference to other sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when

processed

When heated, material emits irritating fumes. Any proposed use of

this product in elevated-temperature processes should be

thoroughly evaluated to assure that safe operating conditions are

established and maintained.

Precautions for safe handling Will decompose above 150 °C (> 300 °F) releasing formaldehyde

vapours.

Hygiene measures Handle in accordance with good industrial hygiene and safety

procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures Comply with applicable regulations.

Storage conditions Store in a dry, cool and well-ventilated place. Keep container

closed when not in use.

Incompatible materials Strong acids, strong bases, strong oxidizers.

7.3. Specific end use(s)

An adhesive or encapsulates for applications requiring optical clarity. For professional use only

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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.

Protective goggles. Gloves. Protective clothing. Personal protective equipment







Materials for protective clothing

Hand protection

Eye protection

Skin and body protection

Respiratory protection

Environmental exposure controls Consumer exposure controls

Chemically resistant materials and fabrics. Wear chemically resistant protective gloves. Chemical safety goggles.

Wear suitable protective clothina.

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Do not allow the product to be released into the environment.

Do not eat, drink or smoke during use.

: No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liauid Colour Translucent

Odour Little

Odour threshold : No data available На : No data available Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : No data available Boiling point : No data available : > 275 °F (> 135 °C) Flash point Auto-ignition temperature : No data available

Decomposition temperature Flammability (solid, gas) : No data available Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative Density : 1,2 (Water = 1)Solubility No data available Partition coefficient: n-octanol/water : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties : No data available Oxidising properties : No data available **Explosive limits** : No data available

9.2. Other information

VOC content 1 - 3 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

Under conditions of fire this material may produce: Carbon monoxide. Carbon dioxide. Silicon oxides. Low molecular weight hydrocarbon fragments. Formaldehyde. Will decompose above 150 °C (>300° F) releasing formaldehyde vapours. 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

Skin corrosion/irritation

Serious eye damage/irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Not classified

Not classified

Not classified

Not classified

Specific target organ toxicity (single exposure) : Not classified Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal Do not empty into drains; dispose of this material and its container in a safe way.

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional,

national, and international regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content 1 - 3 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Section Header	Change	Date Changed
2	Hazards identification	Removed DSD/DPD information.	21/06/2016
3	Composition/information on ingredients	Modified. Removed components not required to be listed. Removed DSD/DPD information.	21/06/2016

Revision date 21/06/2016

Data sources According to Regulation (EC) No. 1907/2006 (REACH) with its

amendment Regulation (EU) 2015/830

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		

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H226	Flammable liquid and vapour
H315	Causes skin irritation
H319 Causes serious eye irritation	
EUH210	Safety data sheet available on request

Nusil EU GHS SDS

We believe that the information contained herein is current as of the date of this Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of NuSil Technology, it is the user's obligation to determine the conditions of safe use of the product.

Polymer Systems Technology Limited



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