CF1-141





Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 08/21/2020 Date of Issue: 05/02/2014

Version: 4.0

SECTION 1: Identification

Product Identifier 1.1.

Product Form Mixture CF1-141 Product Name

Synonyms Silicone Primer

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use of the Substance/Mixture For professional use only.

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**

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

Number and Maritime)

SECTION 2: Hazards Identification

Classification of the Substance or Mixture 2.1.

GHS-US Classification Flam. Liq. 2 H225

Eye Dam. 1 H318 STOT SE 3 H336

Full text of hazard classes and H-statements: see section 16

Label Elements 2.2.

GHS-US Labeling

Hazard Pictograms (GHS-US)





GHS02

GHS05

GHS07

Signal Word (GHS-US)

Danger Hazard Statements (GHS-US) H225 - Highly flammable liquid and vapor

H318 - Causes serious eye damage

H336 - May cause drowsiness or dizziness

Precautionary Statements (GHS-

US)

P210 - Keep away from heat, hot surfaces, sparks, open flames

and other ignition sources. No smoking. P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

P241 - Use explosion-proof electrical, lighting, ventilating equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing vapors, mist, spray.

08/21/2020 EN (English US) 1/11 P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear eye protection, protective clothing, protective gloves.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER, a doctor.

P370+P378 - In case of fire: Use dry extinguishing powder, alcohol resistant foam, carbon dioxide (CO2) to extinguish. P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

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
Isopropyl alcohol	(CAS-No.) 67-63-0	70 - 90	Flam. Liq. 2, H225
			Eye Irrit. 2A, H319
			STOT SE 3, H336
1-Butanol, titanium(4+) salt	(CAS-No.) 5593-70-4	< 5	Flam. Liq. 3, H226
			Skin Irrit. 2, H315
			Eye Dam. 1, H318
			STOT SE 3, H336
			STOT SE 3, H335
Platinum Catalyst	(CAS-No.) 68478-92-2	< 5	Skin Irrit. 2, H315
· ·	,		Eye Dam. 1, H318
			STOT SE 3, H335
1-Butanol	(CAS No) 71-36-3	< 1	Flam. Liq. 3, H226
			Acute Tox. 4 (Oral), H302
			Skin Irrit. 2, H315
			Eye Dam. 1, H318
			STOT SE 3, H336
			STOT SE 3, H335

Full text of H-phrases: see section 16

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The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

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 When symptoms occur: go into open air and ventilate

Inhalation suspected area. Obtain medical attention if breathing difficulty

persists.

First-aid Measures After Skin Immediately remove contaminated clothing. Immediately

drench affected area with water for at least 15 minutes. Obtain Contact

medical attention if irritation develops or persists.

First-aid Measures After Eye Immediately rinse with water for at least 30 minutes. Remove

Contact contact lenses, if present and easy to do. Continue rinsing. Get

Causes permanent damage to the cornea, iris, or conjunctiva.

immediate medical advice/attention.

First-aid Measures After Rinse mouth. Do NOT induce vomiting. Obtain medical

Inaestion attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries Causes serious eye damage. May cause drowsiness and

Symptoms/Injuries After High concentrations may cause central nervous system

Inhalation depression such as dizziness, vomiting, numbness, drowsiness,

> headache, and similar narcotic symptoms. Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Skin

Contact

Symptoms/Injuries After Eye

Contact

Ingestion

Symptoms/Injuries After Ingestion may cause adverse effects.

Chronic Symptoms Repeated or prolonged skin contact may cause irritation.

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, fog, alcohol-resistant foam, carbon dioxide (CO₂),

dry chemical powder.

Unsuitable Extinguishing Media : Do not use a heavy water stream. A heavy water stream may

spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard Highly flammable liquid and vapor. Vapors are heavier than air

and may travel considerable distance to an ignition source

and flash back to source of vapors.

May form flammable or explosive vapor-air mixture. Heating will **Explosion Hazard**

cause rise in pressure with risk of bursting.

08/21/2020 EN (English US) 3/11 Reactivity Reacts violently with strong oxidizers. Increased risk of fire or

explosion. Hydrolysis in water.

5.3. Advice for Firefighters

Precautionary Measures Fire Firefighting Instructions

Exercise caution when fighting any chemical fire.

Use water spray or fog for cooling exposed containers. In case

of 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.

Hazardous Combustion

Products

Carbon oxides (CO, CO₂). Silicon oxides. Oxides of titanium.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

General Measures Do not breathe vapor, mist or spray. Do not get in eyes, on skin,

or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use

special care to avoid static electric charges.

6.1.1. For Non-Emergency Personnel

Protective Equipment Use appropriate personal protective equipment (PPE). Emergency Procedures Evacuate unnecessary personnel. Stop leak if safe to do so.

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.

Eliminate ignition sources.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment Contain any spills with dikes or absorbents to prevent migration

and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all

directions.

Methods for Cleaning Up Clean up spills immediately and dispose of waste safely.

Transfer spilled material to a suitable container for disposal. Do

not take up in combustible material such as: saw dust or cellulosic material. Absorb and/or contain spill with inert material. Use only non-sparking tools. 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.

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SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Additional Hazards When Handle empty containers with care because residual vapors

Processed are flammable.

Precautions for Safe Handling Avoid breathing vapors, mist, spray. Take precautionary

measures against static discharge. Use only non-sparking tools. Do not get in eyes, on skin, or on clothing. Wash hands and other exposed areas with mild soap and water before eating,

drinking or smoking and when leaving work.

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. Take action to prevent

static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and

lighting equipment.

Storage Conditions Store in a dry, cool place. Keep/Store away from direct sunlight,

extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a well-ventilated place. Keep container tightly closed. Keep in

fireproof place.

Incompatible Materials Strong oxidizers. Strong acids. Acid anhydrides. Alkali metals.

Alkaline earth metals. Attacks some forms of plastics, rubber,

and coatings.

7.3. Specific End Use(s)

For professional use only.

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).

Isopropyl alcohol (67-63-0)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	400 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	Biological Exposure Indices (BEI)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)
USA OSHA	OSHA PEL (TWA) (mg/m³)	980 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm

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8.2. Exposure Controls

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Gloves. Protective clothing. Protective goggles. Insufficient

Personal Protective Equipment

ventilation: wear respiratory protection.









Materials For Protective

Clothing

Hand Protection
Eye And Face Protection
Skin And Body Protection

Respiratory Protection

Chemically resistant materials and fabrics. Wear fire/flame

resistant/retardant clothing. Wear protective gloves.

Chemical safety goggles.

Wear suitable 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 Alcohol

Odor Threshold

pH

No data available

Evaporation Rate

Melting Point

Freezing Point

Boiling Point

No data available

12 °C (53 °F)

Auto-ignition Temperature No data available **Decomposition Temperature** No data available Flammability (solid, gas) Not applicable Vapor Pressure No data available Relative Vapor Density at 20°C No data available Relative Density < 1 (water = 1)No data available Solubility Partition Coefficient n-Octanol/Water No data available Viscosity No data available

9.2. Other Information

VOC Content 70 - 90 %

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SECTION 10: Stability and Reactivity

10.1. Reactivity

Reacts violently with strong oxidizers. Increased risk of fire or explosion. Hydrolysis in water.

10.2. Chemical Stability

Extremely flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible Materials

Strong oxidizers. Strong acids. Acid anhydrides. Alkali metals. Alkaline earth metals. Attacks some forms of plastics, rubber, and coatings.

10.6. Hazardous Decomposition Products

Thermal decomposition may produce: Hydrocarbons. Carbon oxides (CO, CO₂).

SECTION 11: Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity (Oral) : Not classified Acute Toxicity (Dermal) : Not classified Acute Toxicity (Inhalation) : Not classified

((((((((((((((((((((
Isopropyl alcohol (67-63-0)		
LD50 Dermal Rabbit	12956 mg/kg (16.4 mL/kg bw)	
LC50 Inhalation Rat	72600 mg/m³ (Exposure time: 4 h)	
1-Butanol, titanium(4+) salt (5593-70-4)		
LD50 Oral Rat	> 2000 mg/kg	
Skin Corrosion/Irritation	Not classified	
Serious Eye Damage/Irritation	Causes serious eye damage.	
Respiratory or Skin Sensitization	Not classified	
Germ Cell Mutagenicity	Not classified	
Carcinoaenicity	Not classified	

Carcinogenicity	1101 Classified
Isopropyl alcohol (67-63-0)	
IARC Group	3

Reproductive Toxicity : Not classified

Specific Target Organ Toxicity (Single Exposure) : May cause drowsiness or dizziness.

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard Not classified

Symptoms/Injuries After High concentrations may cause central nervous system

Inhalation depression such as dizziness, vomiting, numbness, drowsiness,

headache, and similar narcotic symptoms.

Symptoms/Injuries After Skin Prolonged exposure may cause skin irritation.

Contact

Symptoms/Injuries After Eye Causes permanent damage to the cornea, iris, or conjunctiva.

Contact

Symptoms/Injuries After Ingestion may cause adverse effects.

Ingestion

Chronic Symptoms Repeated or prolonged skin contact may cause irritation.

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SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General Not classified.

=======================================	1 (0) 0 0 0 0 0 0 0
Isopropyl alcohol (67-63-0)	
LC50 Fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC50 Fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
1-Butanol, titanium(4+) salt (5593-70-4)	
EC50 Daphnia 1	680 mg/l

12.2. Persistence and Degradability

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Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

12.01 2.04.00	
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Bioaccumulative Potential	Not established.
Isopropyl alcohol (67-63-0)	
Log Pow	0.05 (at 25 °C)

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

Waste Disposal Dispose of contents/container in accordance with local,

Recommendations regional, national, and international regulations.

Additional Information Handle empty containers with care because residual vapors

are flammable.

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

Proper Shipping Name ISOPROPANOL Solution

Hazard Class 3

Identification Number UN1219

Label Codes 3



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Packing Group || ERG Number 129

14.2. In Accordance with IMDG

Proper Shipping Name ISOPROPANOL (ISOPROPYL ALCOHOL) Solution

Hazard Class 3

Identification Number UN1219

Packing Group II
Label Codes 3
EmS-No. (Fire) F-E
EmS-No. (Spillage) S-D
MFAG Number 129



14.3. In Accordance with IATA

Proper Shipping Name ISOPROPANOL Solution

Packing Group ||

Identification Number UN1219

Hazard Class 3 Label Codes 3 ERG Code (IATA) 3L



SECTION 15: Regulatory Information

15.1. US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

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SARA Section 311/312 Hazard	Health hazard - Specific target organ toxicity (single or repeated	
Classes	exposure)	
	Physical hazard - Flammable (gases, aerosols, liquids, or solids)	
	Health hazard - Serious eye damage or eye irritation	
Isopropyl alcohol (67-63-0)		
Subject to reporting requirement	s of United States SARA Section 313	
SARA Section 313 - Emission	1 % (only if manufactured by the strong acid process, no supplier	
Reporting	notification)	

15.2. US State Regulations

Isopropyl alcohol (67-63-0)

- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Acute
- U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Chronic
- U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)
- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Connecticut Volatile Substances
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Occupational Exposure Limits TWAs
- RTK U.S. Massachusetts Right To Know List
- U.S. Massachusetts Toxics Use Reduction Act
- U.S. Michigan Occupational Exposure Limits STELs

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- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits STELs
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. New Jersey Environmental Hazardous Substances List
- RTK U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Occupational Exposure Limits TWAs
- U.S. North Dakota Air Pollutants Guideline Concentrations 1-Hour
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. Oregon Permissible Exposure Limits TWAs
- U.S. California Safer Consumer Products Initial List of Candidate Chemicals and Chemical Groups
- RTK U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Rhode Island Air Toxics Acceptable Ambient Levels 1-Hour
- U.S. Tennessee Occupational Exposure Limits STELs
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas City of Austin Aerosol Paint and Glue Restrictions
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Permissible Exposure Limits STELs
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs

1-Butanol, titanium(4+) salt (5593-70-4)

- 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

Date of Preparation or Latest Revision

08/21/2020

Other Information

This document has been prepared in accordance with

the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H315	Causes skin irritation
H318	Causes serious eye damage

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

	H319	Causes serious eye irritation
	H335	May cause respiratory irritation
	H336	May cause drowsiness or dizziness
NFPA	A Health Hazard	3 - Materials that, under emergency conditions, can cause serious or permanent injury.
NFP <i>A</i>	A Fire Hazard	3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
NFP <i>F</i>	A Reactivity Hazard	 0 - Material that in themselves are normally stable, even under fire conditions.
HMIS	III Rating	
Heal	th	3 Serious Hazard
Flam	mability	3 Serious Hazard
Physi	ical	0 Minimal Hazard

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