

Issuing Date 15-Jan-2014

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Revision Number 2

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**GHS product identifier**

**Product Name** Flex

**Other means of identification**

**Product Code(s)** 7920

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Fabric Softener

**Uses advised against** No information available

**Supplier's details**

**Supplier Address**

Sunburst Chemicals, Inc.  
220 W. 86th St.  
Bloomington, MN 55420  
TEL: 952-884-3144

**Emergency Telephone Number** 1-866-303-6943


**2. HAZARDS IDENTIFICATION**

**Classification**

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

**GHS Label elements, including precautionary statements**

**Emergency Overview**

<b>Signal Word</b>	<b>Warning</b>
	
<b>Appearance</b> Blue	<b>Physical State</b> Liquid
	<b>Odor</b> Alcohol

**Precautionary Statements**

**Prevention**

- Keep container tightly closed
- Wear protective gloves/protective clothing/eye protection/face protection

**General Advice**

- None

**Skin**

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

**Fire**

- In case of fire: Use CO2, dry chemical, or foam for extinction

**Storage**

- Store in a well-ventilated place. Keep cool

**Disposal**


- Dispose of contents/container to an approved waste disposal plant

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

No information available.

PRODUCT AT USE DILUTION			
<b>Signal Word</b>	<b>Warning</b>		
			
<b>Appearance</b> Blue	<b>Physical State</b> Liquid	<b>Odor</b> Alcohol	
<b>Precautionary Statements</b>			
<b>Prevention</b>			
<ul style="list-style-type: none"> <li>• Keep container tightly closed</li> <li>• Wear protective gloves/protective clothing/eye protection/face protection</li> </ul>			
<b>General Advice</b>			
<ul style="list-style-type: none"> <li>• None</li> </ul>			
<b>Skin</b>			
<ul style="list-style-type: none"> <li>• IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</li> </ul>			
<b>Fire</b>			
<ul style="list-style-type: none"> <li>• In case of fire: Use CO2, dry chemical, or foam for extinction</li> </ul>			
<b>Storage</b>			
<ul style="list-style-type: none"> <li>• Store in a well-ventilated place. Keep cool</li> </ul>			
<b>Disposal</b>			
<ul style="list-style-type: none"> <li>• Dispose of contents/container to an approved waste disposal plant</li> </ul>			

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Imidazolium compounds, 2-(C17 and C17-unsaturated alkyl)-1-[2-(C18 and C18-unsaturated amido)ethyl]-4,5-dihydro-1-methyl, methyl sulfates	72749-55-4	7 - 13	*
Isopropyl alcohol	67-63-0	3 - 7	*
Di(hydrogenated tallow) dimethyl ammonium chloride	61789-80-8	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**PRODUCT AT USE DILUTION**  
Contains ingredients listed above at weight % less than 0.5%

**4. FIRST AID MEASURES**

**PRODUCT AS SOLD**

Description of necessary first-aid measures

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

**Skin Contact** Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** No information available.

Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

**PRODUCT AT USE DILUTION**

**Eye Contact** Rinse immediately with plenty of water, also under the eye lids, for at least 15 minutes. Seek immediate medical attention / advice.

**Skin Contact** Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion** Do NOT induct vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**5. FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media

Water. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

**Unsuitable Extinguishing Media** None

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

<b>Sensitivity to Mechanical Impact</b>	None
<b>Sensitivity to Static Discharge</b>	None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**PRODUCT AS SOLD**

Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become very slippery.

**Environmental Precautions**

**Environmental Precautions** Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Absorb spilled material with an absorbent material such as clay, sawdust, or sand. Pick up and transfer to properly labeled containers. Dispose of promptly. Flush area with flooding quantities of water

**PRODUCT AT USE DILUTION**

**Personal Precautions** Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. Solution can cause surfaces to become slippery.

**Environmental Precautions** Avoid release to the environment. Rinse or mop up use solutions. Solutions may be flushed down sanitary sewer drains.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent solutions from spillage.

**Methods for Cleaning Up** Flush area with water.

**7. HANDLING AND STORAGE**

**PRODUCT AS SOLD**

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

**Incompatible Products** None known based on information supplied.

**PRODUCT AT USE DILUTION**

**Advice on safe handling** Do not ingest. Do not get in eyes, on skin or on clothing. Do not breathe mist. Use only with adequate ventilation. Wash hands thoroughly after handling.

**Conditions for safe storage** Keep out of reach of children. Store in suitable labeled containers.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m3	IDLH: 2000 ppm TWA: 980 mg/m3 TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m3

**Appropriate engineering controls**

**Engineering Measures** Eyewash stations

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Rubber gloves. Rubber apron.  
**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PRODUCT AS SOLD**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Appearance</b>	Blue
<b>Odor</b>	Alcohol	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values for Product as Sold</u>	<u>Values for Product at Use Dilution</u>
<b>pH , Use Solution</b>	4.0 – 6.0	7.0 – 8.5
<b>Melting Point/Range</b>	60 °C / 140 °F	
<b>Boiling Point/Boiling Range</b>	None	
<b>Flash Point</b>	None.	
<b>Evaporation rate</b>	No data available	Physical State – Liquid
<b>Flammability (solid, gas)</b>	No data available	Odor – None
<b>Flammability Limits in Air</b>		Appearance - Colorless
upper flammability limit	No data available	
lower flammability limit	No data available	
<b>Vapor Pressure</b>	No data available	
<b>Vapor Density</b>	No data available	
<b>Relative Density</b>	No data available	
<b>Specific Gravity</b>	No data available	
<b>Water Solubility</b>	Complete	
<b>Solubility in other solvents</b>	No data available	
<b>Partition coefficient: n-octanol/water</b>	No data available	
<b>Autoignition Temperature</b>	No data available	
<b>Decomposition Temperature</b>	No data available	
<b>Viscosity</b>	No data available	
<b>Flammable Properties</b>	Not flammable	
<b>Explosive Properties</b>	Not explosive	
<b>Oxidizing Properties</b>	Not an oxidizer	
<b>Other information</b>		
<b>VOC Content (%)</b>	3 -7%	

**10. STABILITY AND REACTIVITY**

**Reactivity**  
No data available.

**Chemical stability**  
Stable under recommended storage conditions.

**Possibility of hazardous reactions**  
None under normal processing.

**Conditions to avoid**  
None under normal use.

**Incompatible materials**  
None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****PRODUCT AS SOLD****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	May cause irritation

**PRODUCT AT USE DILUTION**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	May cause irritation.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropyl Alcohol	= 4396 mg/kg ( Rat )	= 12870 mg/kg ( Rat )	= 19000 ppm (Rat)

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms** No information available.**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Sensitization** No information available.  
**Mutagenic Effects** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		

**IARC: (International Agency for Research on Cancer)**

Group A3 Animal Carcinogen

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity • - Product***The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral** No information available.  
**LD50 Dermal** No information available.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Isopropyl alcohol	EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 9640 mg/L (Pimephales promelas)		EC50 48 h: = 13299 mg/L (Daphnia magna)

**Persistence and Degradability** No information available.  
**Bioaccumulation** No information available.

**Other Adverse Effects** No information available.**13. DISPOSAL CONSIDERATIONS**

**PRODUCT AS SOLD**

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Dispose of in accordance with federal, state, and local regulations.

**PRODUCT AT USE DILUTION**  
Dispose of in accordance of the federal, state, local regulations.

Chemical Name	California Hazardous Waste
Isopropyl alcohol	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS #	Weight %	SARA313 Threshold Values
Isopropyl alcohol	67-63-0	3 - 7	1.0%

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Isopropyl alcohol	X	X	X		X

**U.S. EPA Label Information**

EPA Pesticide Registration Number

Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazard</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and Chemical Hazards</b> -
<b>HMIS</b>	<b>Health Hazard</b> 1	<b>Flammability</b> 0	<b>Physical Hazard</b> 0	<b>Personal Protection</b> A

**Prepared By** Sunburst Chemicals  
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 952-884-3144

**Issuing Date** 15-Jan-2014  
**Revision Date** 13-Jun-2016  
**Revision Note** Update

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**