



# Nurofast 52 Paste

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Nurofast 52 Paste
<b>Other Means of Identification</b>	Urethane Elastomer
<b>Product Family</b>	Hydroxyl terminated polyol
<b>Recommended Use</b>	Mixed with another component to form a corrosion-resistant membrane.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer/Supplier Identifier</b>	The Stebbins Engineering and Manufacturing Company, 363 Eastern Boulevard, Watertown, NY, 13601, (315) 782-3000, www.stebbinseng.com
<b>Supplier Identifier</b>	Stebbins Australia, 38 Coulson Way, Canning Vale, WA, 6155, +61 8 9456 2511
<b>Supplier</b>	Canadian Stebbins, 2373 Stevenage Dr, Ottawa, ON, K1G 3W1, +1 613-737-2800
<b>Emergency Phone No.</b>	Chemtrec - Within North America, 1-800-424-9300, 24 hours Stebbins 24 Hour Contact-, 1-315-788-6624
<b>SDS No.</b>	007

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Skin irritation - Category 2; Eye irritation - Category 2B

### Label Elements



Signal Word:  
Warning

### Hazard Statement(s):

- H315 Causes skin irritation.
- H320 Causes eye irritation.

### Precautionary Statement(s):

- P264 Wash hands and skin thoroughly after handling.
- P280 Wear protective gloves.
- P302 + P352 IF ON SKIN: Wash with plenty of water.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P362 + P364 Take off contaminated clothing and wash it before reuse.

## Other Hazards

Caution! May cause irritation.

The toxicological properties of this material have not been fully investigated. Target Organs: None.

### Potential Health Effects:

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Personal protective equipment (PPE), proper work practices, and engineering controls will reduce exposure to respirable dust.

Cutting and grinding of the polymerized product will produce respirable dust.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Silica, quartz	14808-60-7	45 - 70 %	None	Silicon dioxide
Polybutadiene	9003-17-2	30 - 55 %	None	Polyol

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Remove source of exposure or move to fresh air.

If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Get medical advice or attention if you feel unwell or are concerned.

#### Skin Contact

Clean clothing, shoes and leather goods. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.

Remove contact lenses, if present and easy to do.

If eye irritation persists, get medical advice or attention.

#### Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

### Most Important Symptoms and Effects, Acute and Delayed

If on skin: causes mild irritation. If in eyes: may cause moderate to severe irritation.

### Immediate Medical Attention and Special Treatment

#### Target Organs

Skin, eyes.

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## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### Unsuitable Extinguishing Media

Use of heavy stream of water may spread fire.

### Specific Hazards Arising from the Product

Can ignite if strongly heated.

Heat from fire can generate flammable vapour. When mixed with air and exposed to ignition source, can burn in open air or explode if confined.

Explosion hazard : Not expected to be an explosion hazard under normal conditions of use.

Not known to generate any hazardous decomposition products in a fire.

toxic chemicals. Carbon Monoxide Carbon Dioxide Hydrocarbons.

### Special Protective Equipment and Precautions for Fire-fighters

Firefighting instructions :

Fight fire from safe distance and protected location. Avoid direct personal contact with liquid even after fire is out to prevent potentially serious burns. Use water spray or fog for cooling exposed containers. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

Other information: Fires are typically very smokey.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal.

Methods for cleaning up : Wash away residue with large amounts of water. Gather the product and place it in a spare container that has been suitably labeled.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Prevent skin contact.

Do not get in eyes.

Avoid generating dusts.

### Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated.

Storage temperature : 50 ° F (10 °C) - 100 ° F (38 °C).

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Silica, quartz	0.025 mg/m <sup>3</sup> A4		0.1 mg/m <sup>3</sup>			

No PEL or TLV has been established.

The limit for Silica is as follows, but as this product is a paste, and the silica is thus not expected to be respirable in normal use of the product. If the cured product is cut, ground, sanded, or otherwise worked in a fashion that generates dust, appropriate PPE should be worn and this limit should be observed.

The OSHA TLV for respirable silica is 0.1 mg/m<sup>3</sup>

Hand protection : Impermeable protective gloves. Do not use natural rubber gloves. Product used with solvents : wear thick (> 0.5 mm) nitrile gloves. Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility, etc.) is noticed.

Skin and body protection : Wear suitable protective clothing

Cutting and grinding of the polymerized product will produce respirable dust.

Eye protection : Safety glasses with side shields.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

### Appropriate Engineering Controls

General ventilation is usually adequate.

In a confined space: use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

#### Skin Protection

Hygiene measures wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

Wear resistant gloves (consult your safety equipment supplier).

Suitable materials are: butyl rubber, natural rubber, neoprene rubber, nitrile rubber, polyethylene, cloth, leather.

Impervious clothing Safety shoes.

#### Respiratory Protection

In case of inadequate ventilation, wear a NIOSH approved particulate respirator equipped with an N95, R95, or P95 filter.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Grey paste. Particle Size: Not applicable
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Boiling Range	> 525 °F (274 °C)
Flash Point	400 °F (204 °C) (open cup) (Polybutadiene)
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable

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<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (air = 1)</b>	Not applicable
<b>Relative Density (water = 1)</b>	1.426
<b>Solubility</b>	Practically insoluble in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Solid
<b>Bulk Density</b>	89 lb/ft3 (1426 kg/m3)

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

Product is stable under normal conditions.

### Chemical Stability

Normally stable. Unstable under certain conditions - see Conditions to Avoid.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. High temperatures. Sunlight. Generation of dust. Freezing.

### Incompatible Materials

Strong oxidizing agents. Strong reducing agents. Strong acids. Free radical initiators/peroxides.

### Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Very toxic carbon monoxide, carbon dioxide; flammable chemicals.

## SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified.

### Likely Routes of Exposure

Skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Silica, quartz	Not available	500 mg/kg (rat) (dust)	Not available
Polybutadiene		> 34600 mg/kg (rat)	

### Skin Corrosion/Irritation

Not classified

Based on available data, the classification criteria are not met

Practically non-irritating

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(rabbit).

### **Serious Eye Damage/Irritation**

Not classified

Based on available data, the classification criteria are not met

Slight eye irritant (rabbit).

### **STOT (Specific Target Organ Toxicity) - Single Exposure**

#### **Inhalation**

This product is not an inhalation hazard.

Respiratory sensitization: Not classified based on available information. Not classified

Based on available data, the classification criteria are not met Does not cause cutaneous sensitization for guinea-pigs.

#### **Skin Absorption**

Skin sensitisation

Not classified

Based on available data, the classification criteria are not met Does not cause cutaneous sensitization for guinea-pigs.

#### **Ingestion**

This product is not an ingestion hazard.

### **Aspiration Hazard**

Not known to be an aspiration hazard.

### **STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Not harmful based on information for closely related chemicals.

### **Respiratory and/or Skin Sensitization**

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

### **Carcinogenicity**

<b>Chemical Name</b>	<b>IARC</b>	<b>ACGIH®</b>	<b>NTP</b>	<b>OSHA</b>
Silica, quartz	Group 1	A2	Known carcinogen	Not Listed
Polybutadiene	Not Listed	Not Listed	Not Listed	Not Listed

This product contains silica, which is a known carcinogen when inhaled. However, the silica in this product is not in respirable size, and thus is not expected to present any inhalation hazards.

When cutting or grinding the polymerized product, respirable dust will be created and PPE should be used.

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. IARC = International Agency for Research on Cancer. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration.

### **Reproductive Toxicity**

#### **Development of Offspring**

Not known to harm the unborn child.

#### **Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

#### **Effects on or via Lactation**

Not known to cause effects on or via lactation.

### **Germ Cell Mutagenicity**

Not known to be a mutagen.

### **Interactive Effects**

No information was located.

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## SECTION 12. ECOLOGICAL INFORMATION

Not hazardous to the environment.

### Ecotoxicity

Studies were not located. Not classified based on available information aquatic environment.

### Persistence and Degradability

No information was located.

### Bioaccumulative Potential

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Mobility in Soil

No information was located.

### Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Bury in a licensed landfill or burn in an approved incinerator according to federal, provincial/state, and local regulations. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

Fully polymerized material is considered toxicologically and ecologically inert and should be disposed of properly.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT		Non-Regulated		
IATA (Air)		Non-Regulated		
IATA (Air)		Non-Regulated		
Canadian TDG		Non-Regulated		

**Environmental Hazards** Not applicable

**Special Precautions** Not applicable

### Transport in Bulk according to International Maritime Organization Instruments

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

HMIS classifications:

Health 1

Flammability 1

Physical Hazard 1

Personal protection-Customer responsible for PPE code for this material.

### Canada

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

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## CEPA - National Pollutant Release Inventory (NPRI)

Not specifically listed.

### Additional Canadian Regulatory Lists

WHMIS Classification This product is not regulated according to WHMIS 2015 classification criteria

## USA

### Toxic Substances Control Act (TSCA) Section 8(b)

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic

Substances Control Act (TSCA) inventory.

### Additional USA Regulatory Lists

Australia: This material is listed or exempted.

Canada: This material is listed or exempted.

China: This material is listed or exempted.

Europe: This material is listed or exempted.

Japan inventory (ENCS): This material is listed or exempted.

Japan inventory (ISHL): This material is listed or exempted.

New Zealand: This material is listed or exempted.

Philippines: This material is listed or exempted.

Republic of Korea: This material is listed or exempted.

Taiwan: This material is listed or exempted.

Turkey: This material is listed or exempted.

United States: This material is listed or exempted.

CERCLA: This material does not contain any components with a section 304 EHS RQ.

SARA Title III - Section 302: This material does not contain any components with a section 302 EHS TPQ.

SARA Title III - Section 311/312: Not listed.

SARA Title III - Section 313: No chemicals are reportable under Section 313.

#### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

#### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

#### STATE

CAS# 9003-17-2 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Proposition 65: WARNING: This product can expose you to chemicals, which are known to the State of California to cause cancer. (Silica, quartz) CAS# 1408-60-7.

## SECTION 16. OTHER INFORMATION

**NFPA Rating**                      **Health - 1**      **Flammability - 1**                      **Instability - 0**

**SDS Prepared By**                      B.E.R.

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reviewed and approved

**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists  
HSDB® = Hazardous Substances Data Bank  
IARC = International Agency for Research on Cancer  
NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health  
NTP = National Toxicology Program  
OSHA = US Occupational Safety and Health Administration  
RTECS® = Registry of Toxic Effects of Chemical Substances

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

**Disclaimer** NOTE: The information contained herein is, to the best of our knowledge, accurate and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or the results to be obtained from the use thereof.

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