

# SAFETY DATA SHEET



This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200)

Revision date 02/19/2026

Revision Number 2

## 1. Identification

### Product identifier

**Product Name** Natur-Tec® BF2001

### Other means of identification

**Product Code(s)** BF2001

**Synonyms** BF2001

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

**Recommended use** Biopolymer resin

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Northern Technologies International Corporation  
4201 Woodland Rd  
Circle Pines, MN 55014 - United States  
1-763-225-6600

**E-mail** sds@ntic.com

### Emergency telephone number

**Emergency Telephone** Carechem +1 202 464 2554; Outside US/Canada +44 1865 407333 (24 hours; 7 days/week)

## 2. Hazard(s) identification

### Classification

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

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

#### Hazard statements

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

The product contains no substances which at their given concentration, are considered to be hazardous to health.

<b>Appearance</b> Pellets	<b>Physical state</b> Solid	<b>Odor</b> Characteristic
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**Other information**

No information available.

**3. Composition/information on ingredients****Pure substance/mixture** Mixture**Synonyms** BF2001

Chemical name	CAS No.	Weight-%	Trade secret
Talc	14807-96-6	0 - 10%	*

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

**4. First-aid measures****Description of first aid measures**

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Rinse mouth.

**Most important symptoms and effects, both acute and delayed****Symptoms** No information available.**Effects of Exposure** No information available.**Indication of any immediate medical attention and special treatment needed****Note to physicians** Treat symptomatically.**5. Fire-fighting measures**

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.

<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
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<b>Specific hazards arising from the chemical</b>	No information available.
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**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures**

Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

Methods and material for containment and cleaning up

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

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. Handling and storage**

Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

**8. Exposure controls/personal protection**

Control Parameters

**Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Talc 14807-96-6	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 20 mppcf if 1% Quartz or more, use Quartz limit (vacated) TWA: 2 mg/m <sup>3</sup> respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	IDLH: 1000 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> containing no Asbestos and <1% Quartz respirable dust
Glycidyl methacrylate 106-91-2	TWA: 0.01 ppm Sk* dermal sensitizer	-	-
Styrene 100-42-5	TWA: 10 ppm STEL: 20 ppm	TWA: 100 ppm (vacated) TWA: 50 ppm	IDLH: 700 ppm TWA: 50 ppm

	Ototoxicant - potential to cause hearing disorders	(vacated) TWA: 215 mg/m <sup>3</sup> (vacated) STEL: 100 ppm (vacated) STEL: 425 mg/m <sup>3</sup> Ceiling: 200 ppm	TWA: 215 mg/m <sup>3</sup> STEL: 100 ppm STEL: 425 mg/m <sup>3</sup>
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**Biological occupational exposure limits**

Chemical name	ACGIH
Styrene 100-42-5	150 mg/g creatinine - urine (Mandelic acid plus phenylglyoxylic acid) - end of shift 20 µg/L - urine (Styrene) - end of shift

**Appropriate engineering controls**

**Engineering controls**                      Showers  
     Eyewash stations  
     Ventilation systems.

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

**Eye/face protection**                      No special protective equipment required.

**Skin and body protection**                      No special protective equipment required.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**                      Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

**Physical state**                                      Solid  
**Appearance**                                      Pellets  
**Color**    Natural  
**Odor**    Characteristic  
**Odor threshold**                                      No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No data available	No data available
<b>pH (as aqueous solution)</b>		None known
<b>Melting point / freezing point</b>	120 - 160 °C / 248 - 320.0 °F	None known
<b>Initial boiling point and boiling range</b>	No data available	No data available
<b>Flash point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	No data available
<b>Flammability</b>	No data available	If dust is generated;, May form combustible dust concentrations in air
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Relative vapor density</b>	No data available	None known
<b>Relative density</b>	1.25 - 1.35 g/cm <sup>3</sup>	None known
<b>Water solubility</b>	Insoluble in water	None known
<b>Solubility(ies)</b>	No data available	None known

Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	350 °C / 662 °F	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

**Other information**

Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
Liquid Density	No information available
Bulk density	No information available

**10. Stability and reactivity**

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

**11. Toxicological information****Information on likely routes of exposure**

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	Based on available data, the classification criteria are not met.
Ingestion	Based on available data, the classification criteria are not met.

**Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms	Based on available data, the classification criteria are not met.
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**Acute toxicity****Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	99,999.00 mg/kg
ATEmix (dermal)	99,999.00 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-dust/mist)	99,999.00 mg/l
ATEmix (inhalation-vapor)	99,999.00 mg/l

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Talc 14807-96-6	-	Group 3	-	X

#### Legend

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

Group 3 - Not classifiable as to carcinogenicity in humans

**Occupational Safety and Health Administration of the US Department of Labor**

X - Present

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Target organ effects** Respiratory system, Eyes, Central Vascular System (CVS).

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Other adverse effects** No information available.

**Interactive effects** Based on available data, the classification criteria are not met.

## 12. Ecological information

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Talc 14807-96-6	-	LC50: >100g/L (96h, Brachydanio rerio)	-	-

**Persistence and degradability** Biodegradable under industrial composting conditions.

**Bioaccumulation** There is no data for this product.

**Other adverse effects** No information available.

### 13. Disposal considerations

#### Disposal methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. Transport information

**DOT** Not regulated

### 15. Regulatory information

#### International Inventories

**TSCA** Complies.

**DSL/NDSL** Complies.  
**EINECS/ELINCS** Complies.  
**ENCS** Complies.  
**IECSC** Complies.  
**KECI** Complies.  
**PICCS** Complies.  
**AIIC** Complies.  
**NZIoC** Complies.

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing Chemicals Inventory

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIIC** - Australian Inventory of Industrial Chemicals

**NZIoC** - New Zealand Inventory of Chemicals

#### US Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.



Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications

International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program

International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set

United Nations World Health Organization (WHO)

**Revision date** 02/19/2026

**Revision Note** Document Review.

**Disclaimer**

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**End of Safety Data Sheet**