

**SAFETY DATA SHEET (SDS)**

Version 2.0

Revision Date : April 22,2022

Print Date : April 25, 2024

**1. PRODUCT AND COMPANY IDENTIFICATION**

|                        |   |  |
|------------------------|---|--|
| Product name           | : | Milk Thistle (Silymarin) Botanical Extract               |
| Botanical name         | : | Silybum Marianum   |
| CAS #                  | : | 84604-20-6   |
| Country of Origin      | : | China  |
| EINECS #               | : | 283-298-7  |
| Product use            | : | Domestic and Industrial                                  |
| Supplier               | : | New Directions Aromatics Inc.                            |
| Address                | : | 6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9 |
| Fax                    | : | 905-362-1926   |
| Telephone number       | : | 905-362-1915   |
| Emergency phone number | : | (613)-996-6666 CANUTEC 24 HOUR EMERGENCY                 |

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**GHS Classification**

Serious eye damage/eye irritation - Category 2B

**GHS Label elements, including precautionary statements**

Signal: Not applicable

**Hazard statement(s)**

H320 Causes eye irritation.

**Precautionary statement(s)**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses

. if present and easy to do – continue rinsing.

**3. COMPOSITION / INFORMATION INGREDIENTS**

| Product Name | CAS NO     | EC NO     | Concentration    |
|--------------|------------|-----------|------------------|
| Silymarin    | -          | -         | Greater than 80% |
| Silybin      | 22888-70-6 | 245-302-5 | Greater than 30% |

**4. FIRST AID MEASURES**

**Eye contact**

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

**Skin contact**

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

### **Inhalation**

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

### **Ingestion**

Seek medical attention or contact local poison control center.

## **5. FIRE FIGHTING MEASURES**

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### **Suitable extinguishing media**

Use extinguishing media that are suitable for the surrounding combustible materials.

### **Unsuitable extinguishing media**

Water spray, water jet.

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

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

### **Resulting gases**

Carbon oxides.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **Personal precautions, protective equipment and emergency procedures.**

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

### **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

To prevent the formation of dust, avoid dry sweeping, use vacuum or cleaning systems with water spray.

## **7. HANDLING AND STORAGE**

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### **Precautions for safe handling**

Avoid generation and spreading of dust. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

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

Store in a cool and dry location. Spilled material (both wet and dry) may cause slippery conditions. Care should be exercised when walking on spills.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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### **Exposure controls**

Use exhaust ventilation, if required, to maintain dust concentration.

### **Eyes**

Use tightly sealed goggles.

### **Skin**

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

### **Respiratory**

In case of insufficient ventilation, wear suitable respiratory equipment.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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|                  |   |                                       |
|------------------|---|---------------------------------------|
| Appearance       | : | Fine yellow to tan colored powder.    |
| Odor             | : | Faint botanical odor.                 |
| Solubility (ies) | : | Partly soluble in alcoholic solution. |

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard.

### Chemical stability

Chemically stable.

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### Conditions to avoid

Humidity, sunshine and high temperature.

### Incompatible materials

Acid and alkaline.

## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

Not available.

### Respiratory or skin sensitization

Prolonged exposure to dust can cause respiratory effects.

### Inhalation

May cause mild irritation.

### Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

### Eye contact

Eye contact may cause irritation.

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

Avoid any pollution of ground, surface or underground water.

### Persistence and degradability

Not available.

### Bio - accumulative potential

Not available.

### Mobility in soil

Not available.

### Other adverse effects

Not available.

## 13. DISPOSAL CONSIDERATION

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Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

## 14. TRANSPORT INFORMATION

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## **US DOT Shipping Description (Land)**

Not regulated

## **IMO-IMDG Shipping Description (Sea)**

Not regulated

## **IATA Shipping Description (Air)**

Not regulated

## **15. REGULATORY INFORMATION**

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### **GHS Hazard Statements**

See Section 2.

### **GHS Precautionary Statements**

See Section 2.

## **16. OTHER INFORMATION**

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### **Disclaimer & Caution**

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