



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: Milk Thistle Seed Oil

TELEPHONE NUMBER: (617)472-9300

02. HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:	Not classed as a hazardous substance
CLASSIFICATION (EC 1272/2008):	Not classed as a hazardous substance
LABEL ELEMENTS:	None
SIGNAL WORD:	None
HAZARD STATEMENTS:	None
PRECAUTIONARY STATEMENTS:	None
PBT OR vPvB ACCORDING TO ANNEX XIII:	No additional data available
ADVERSE PHYSIOCHEMICAL PROPERTIES:	No additional data available
ADVERSE EFFECTS ON HUMAN HEALTH:	No additional data available

03. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	100% Milk Thistle Seed Oil
CAS NUMBER:	84604-20-6
EINECS NUMBER:	283-298-7

04. FIRST AID MEASURES

INHALATION:	N/A
INGESTION:	N/A
SKIN CONTACT:	Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues.
EYE CONTACT:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	No symptoms known.
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:	None

05. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Carbon dioxide (CO₂); Dry chemical powder; foam.

UNSUITABLE EXTINGUISHING MEDIA:

Full water jet

SPECIAL HAZARDS ARISING FROM THE PRODUCT:

This product is made up of inflammable material with low risk. The product may only form ignitable mixtures or burn only upon heating above the flash point. However, minor contamination by lightly volatile hydrocarbons may increase the hazard.

Ignition hazard at welding the empty container. Dangerous combustion residues: smoke, carbon monoxide, carbon dioxide.

ADVICE FOR FIREFIGHTERS:

In case of fire, use respirator.

06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Remove sources of ignition, provide adequate ventilation and avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS:

Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with current laws and regulations.

REFERENCE TO OTHER SECTIONS:

None

07. HANDLING & STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Keep containers leak proof, closed and dry. Protect against sun/light. Prevent spills and leakages to avoid slip hazard.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Intrusion into soil to be avoided. Store the product in cool and well-ventilated environment and keep away from sources of ignition. Provide suitable mechanical equipment for the safe handling of drums and heavy packages. Electrical equipment and fittings must comply with local regulations.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:	None.
EXPOSURE CONTROLS:	
PROTECTIVE EQUIPMENT:	No special measures required.
PROCESS CONDITIONS:	No special measures required.
ENGINEERING MEASURES:	No special measures required.
RESPIRATORY EQUIPMENT:	No special measures required.
HAND PROTECTION:	No special measures required.
EYE PROTECTION:	No special measures required.
OTHER PROTECTION:	No special measures required.
HYGIENE MEASURES:	Good personal hygiene practices are always advisable, especially when working with oils.
PERSONAL PROTECTION:	Use personal protection according to Directive 89/686/EEC.
SKIN PROTECTION:	No special measures required.
ENVIRONMENTAL EXPOSURE CONTROLS:	Avoid discharging into drainage water.

09. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Clear, light yellow liquid
COLOR:	Light yellow
ODOR:	Neutral
FLASH POINT:	>200°C
MELTING POINT:	No additional data available
BOILING POINT:	>350°C
VAPOR PRESSURE:	No additional data available
SOLUBILITY IN WATER @ 20°C:	Insoluble in water; soluble in oil and ethanol
AUTO-IGNITION TEMPERATURE:	No additional data available
OTHER INFORMATION:	No additional data available

10. STABILITY & REACTIVITY

REACTIVITY:	Oxidation with atmospheric oxygen. Formation of free fatty acids.
CHEMICAL STABILITY:	Stable under the recommended handling and storage conditions.
POSSIBLE HAZARDOUS REACTIONS: CONDITIONS TO AVOID:	Reacts with oxidants. Heat, flames, sunlight and other sources of ignition.
INCOMPATIBLE MATERIALS:	Avoid contact with strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Product does not decompose at proper handling.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

In compliance with generally accepted uses and quantities are no negative impacts to be expected.

LD50 ORAL:

Not determined

LD50 DERMAL:

Not determined

LC50:

Not determined

INHALATION:

There is no expected negative impact.

INGESTION:

There is no expected negative impact.

SKIN CONTACT:

There is no expected negative impact.

EYE CONTACT:

There is no expected negative impact.

SKIN CORROSION/IRRITATION:

In compliance with generally accepted uses and quantities are no negative impacts to be expected.

SERIOUS EYE DAMAGE/IRRITATION:

In compliance with generally accepted uses and quantities are no negative impacts to be expected.

RESPIRATORY OR SKIN SENSITIZATION:

In compliance with generally accepted uses and quantities are no negative impacts to be expected.

GERM CELL MUTAGENICITY:

No additional data available

CARCINOGENICITY:

No expected negative impact

REPRODUCTIVE TOXICITY:

No expected negative impact

STOT-SINGLE EXPOSURE:

No additional data available

STOT-REPEATED EXPOSURE:

No additional data available

ASPIRATION HAZARD:

No additional data available

PHOTO-TOXICITY:

No additional data available

OTHER INFORMATION:

No additional data available

12. ECOLOGICAL INFORMATION

TOXICITY:

No additional data available

PERSISTENCE & DEGRADABILITY:

Biodegradable

BIOACCUMULATION POTENTIAL:

Possible

MOBILITY IN SOIL:

No additional data available

RESULTS OF PBT AND vPvB ASSESSMENT:

No additional data available

OTHER ADVERSE EFFECTS:

Do not allow product to enter streams, sewers or other waterways. Water hazard class WGK-1.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:

Collect and dispose of waste product at an authorized disposal facility. Product remainders should not intrude soil or waters.

14. TRANSPORT INFORMATION

UN NUMBER, ROAD, SEA, AIR:	Not regulated
UN PROPER SHIPPING NAME:	None
TRANSPORT HAZARD CLASS(ES):	Not regulated
PACKING GROUP:	Not regulated
ENVIRONMENTAL HAZARDS:	No hazard label necessary. Non-hazardous product.
SPECIAL PRECAUTIONS FOR USER:	See sections 6-8.
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:	Not defined.

15. REGULATORY INFORMATION

No additional information available

16. OTHER INFORMATION

None available