

SAFETY DATA SHEET (SDS)

1. PRODUCT IDENTIFICATION Trade Name(s) (As Labeled):

New-Gar® Standardized, 100:1 Garlic Oil NGO-100 & 500:1 Garlic oil NGO-500

Supplier's Name: Nature*4*Science Inc.

Mailing address: 5753-G573 E. Santa Ana Cyn Rd. Anaheim Hills, CA.92807-3296

Emergency phone number: 714-223-0647 & 714-234-7760

Supplier's Name: Nature*4*Science Inc.

Complete Mailing address: 5753-G Santa Ana Cyn Rd #573

Anaheim Hills, CA 92807-3296

Source: China

Date Revised: 9/28/2016

2. HAZARD IDENTIFICATION

Chemical Names	CAS No	RTECS No	% Exposure	Limits in Air
Other	9083-41-4	LX3145800	OSHA PEL	Indicate units) N/A

Garlic Oil is hazardous; following reactions may occur:

1. may cause respiratory track irritation if swallowed and/or inhaled
2. may cause skin irritation when in contact with skin
3. may result in burning/ stinging sensation when in contact with eyes
4. may produce an allergic reaction if swallowed

In case of reactions described in hazards identification or other severe, immediate symptoms seek medical advice and call the nearest poison center. Show the label and this safety data sheet

Hazard Pictograms (GHS-US) :



3. PHYSICAL/CHEMICAL CHARACTERISTICS/ COMPOSITION

Vapor density (air = 1): 0.9-2.16 KPa	Melting point or range, °F:	N/A
Specific gravity: 0.959	Boiling point or range, °F:	572°F
Solubility in water: Not soluble	Evaporation rate (butyl acetate = 1):	N/A
Vapor pressure, (mm Hg at 20°C):	0.3026-0.9043 KPa	
Appearance & odor: cream to yellow color liquid with strong garlic smell.		

4. HEALTH HAZARD INFORMATION/First aid measures – Emergency procedures

SYMPTOMS OF OVEREXPOSURE (for each potential route of exposure)

Inhaled: May cause respiratory tract irritation. Assure fresh air breathing. Rest. If you don't feel well, seek medical advice.

Contact with skin: May cause skin irritation. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Contact with eyes: May result in a burning/stinging sensation. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.

Absorbed through skin: N/A

Swallowed: May produce an allergic reaction. Rinse mouth. Seek medical advice immediately and show container or label

In case of reactions described in hazards identification or other severe, immediate or persisting symptoms seek medical advice and call the nearest poison center. Show the label and this safety data sheet

Hazard pictograms (GHS-US) :



MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Conditions associated with eyes, skin, and lungs. See instructions above

POTENTIAL OR SUSPECTED CANCER AGENTS

No This product's ingredient is not found in cancer agents list.
 Yes

Note: California employers using Cal/OSHA-regulated carcinogens must register with Cal/OSHA

5. FIRE AND EXPLOSION HAZARD DATA/ FIRE FIGHTING MEASURES

Flash point, °F (give method): 626°F

Auto ignition temperature, °F: N/A

Flammable limits in air, % by volume:

Lower (LEL): N/A Upper (UEL): N/A

Fire extinguishing materials:

water spray carbon dioxide Other: _____
 foam dry chemical _____

Special fire-fighting procedures: N/A Unusual fire and explosion hazards: N/A

6. PRECAUTIONS FOR SAFE HANDLING & USE/ ACCIDENTAL RELEASE MEASURE

Spill response procedures (include employee protection measures):

Clean up spilled product using broom & dust pan.

Preparing wastes for disposal (container types, neutralization, etc.):N/A

Note: Dispose all wastes in accordance with federal, state, and local regulations.

7. HANDLING AND STORAGE

Personal protection:	Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.
Technical protective measures:	Material should be handled in a laboratory hood whenever Possible
Handling	Handle with accordance with good industrial hygiene and safety procedure
Storage	In an air-tight container, protected from light and stored at controlled room temperature.
Storage – away from	All heat sources, including direct sunlight. Open flame. sources of ignition, Sparks, (Incompatible materials.)

8. CONTROL MEASURES/ EXPOSURE CONTROL/ PERSONAL PROTECTION

Ventilation and engineering controls: Well ventilated work area with dust control.

Respiratory protection:

Mask is recommended.

Personal protective equipment:

Fireproof clothing. Sufficient ventilation: Wear respiratory protection. Protective goggles. Gloves.



Other clothing and equipment:

Lab coat

Work and hygienic practices:

Clean, dry, environment

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical formula: $\text{CH}_3(\text{CH}_2)_{16}\text{COOH}$

Molecular weight/Molar Mass: 885.5 g/mole

Physical State at 20 °C: Liquid

Color: Cream to Yellowish Liquid

PH value: N/A

Melting point [°C]: N/A

Boiling point [°C]: 300°C

Solubility in water: Not soluble/ dispersible

Solubility: No data available.

Flash point [°C]: 330°C

Log P octanol/ water at 20°C: No data available.

10. STABILITY AND REACTIVITY

Stability and reactivity: Stable under normal conditions.

Materials to avoid: Strong oxidizers.

Conditions to avoid: Heat, sources of ignition, light.

Hazardous decomposition products: Nitrogen oxides, Carbon dioxide, Carbon monoxide.

Phosphorous oxide. When heated to decomposition, emits dangerous fumes.

Hazardous reactions: None under normal conditions.

Hazardous polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

RTECS nr: LX3145800

Rat oral LD50 [mg/kg]: No data available.

Rabbit dermal LD50 [mg/kg]: No data available.

Rat inhalation: LC50 [mg/L/4h]: No data available.

Acute toxicity: Exposure may produce an allergic reaction

Chronic toxicity: No data available.

Sensitization: No data available.

12. ECOLOGICAL INFORMATION

Ecological effects information

LC50-96 Hour-fish [mg/L]: No data available.

EC50-48 Hour- Daphnia magna [mg/L]: No data available.



New-Gar® SDS

Page 4 of 4

IC50-72h- Algae [mg/L]: No data available.
Biodegradation [%]: No data available.
Persistence- degradability: Minimally biodegradable.
Log P octanol/ water at 20°C: No data available.
Bio accumulative potential: No data available.

13. DISPOSAL CONSIDERATIONS

General: Dispose of this material and its container at hazardous or special waste collection point.

Dispose in a safe manner in accordance with local/ national regulations.

14. TRANSPORT INFORMATION

General information: Not classified.

15. REGULATORY INFORMATION

Symbol(s): None.

R Phrase(S): None.

S Phrase(s): S22: Do not inhale.

S36/37: Wear suitable protective clothing and gloves.

16. OTHER INFORMATION

Further information: Revision see below.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control any may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.