

# SAFETY DATA SHEET

## TURMERIC EXTRACT - WATER SOLUBLE

### 1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Turmeric Extract - Water Soluble

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,  
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

### 2. HAZARD IDENTIFICATION

#### Classification of the substance or mixture

##### GHS US classification

Not classified

#### GHS Label elements

##### GHS US labeling

No labeling applicable

#### Hazards associated with known or reasonably anticipated uses

No additional information available

#### Hazards not otherwise classified

No additional information available.

#### Unknown acute toxicity

No additional information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

Not applicable

#### Mixtures

Name	Product identifier	%	GHS US classification
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Glycerin	CAS-No.: 56-81-5	46.5 – 48.5	Not classified
Water	CAS-No.: 7732-18-5	46.5 – 48.5	Not classified
URTICA DIOICA (NETTLE) EXTRACT	CAS-No.: 84012-40-8	2 – 6	Not classified
Phenoxyethanol	CAS-No.: 122-99-6	0.9 – 1.1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

#### 4. FIRST AID MEASURES

##### Description of first aid measures

First-aid measures general :

If you feel unwell, seek medical advice.

First-aid measures after inhalation :

Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact :

Wash skin with plenty of water.

First-aid measures after eye contact :

Rinse eyes with water as a precaution.

First-aid measures after ingestion :

Call a poison center/doctor/physician if you feel unwell.

##### Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation :

None under normal conditions.

Symptoms/effects after skin contact :

None under normal conditions.

Symptoms/effects after eye contact :

None under normal conditions.

Symptoms/effects after ingestion :

None under normal conditions.

##### Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### **Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media :

Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media :

Do not use a heavy water stream.

### **Specific hazards arising from the chemical**

Fire hazard :

No fire hazard.

Explosion hazard :

No direct explosion hazard.

Hazardous decomposition products in case of fire :

Carbon dioxide. Carbon monoxide.

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

Firefighting instructions :

Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting :

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

## 6. ACCIDENTAL RELEASE MEASURES

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

General measures :

Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

### **For non-emergency personnel**

Protective equipment :

Wear recommended personal protective equipment.

Emergency procedures :

Ventilate spillage area.

### **For emergency responders**

Protective equipment :

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures :

Evacuate unnecessary personnel. Stop leak if safe to do so.

**Environmental precautions**

Avoid release to the environment.

**Methods and material for containment and cleaning up**

For containment :

Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up :

Take up liquid spill into absorbent material.

Other information :

Dispose of materials or solid residues at an authorized site.

**Reference to other sections**

For further information refer to section 13.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Additional hazards when processed :

Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling :

Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures :

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures :

Keep in a cool, well-ventilated place away from heat.

Storage conditions :

Keep cool. Protect from sunlight.

Packaging materials :

Store always product in container of same material as original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Glycerin (56-81-5)

#### USA - OSHA - Occupational Exposure Limits

Local name	Glycerin (mist)
OSHA PEL TWA	15 mg/m <sup>3</sup> (mist, total particulate) 5 mg/m <sup>3</sup> (mist, respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 8.2. Appropriate engineering controls

Appropriate engineering controls :

Ensure good ventilation of the work station.

Environmental exposure controls :

Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s):



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	Liquid
Color	pale yellow to yellow
Odor	Characteristic
Odor Threshold	No data available
pH	4.0 - 7.0
Melting Point	Not applicable
Freezing Point	No data available
Boiling Point	No data available
Flash Point	> 100 °C
Flammability (solid, gas)	Not applicable.
Vapor pressure	No data available
Relative vapor density at 20°C	No data available
Relative density	1.05 - 1.20
Solubility	Soluble.
Partition coefficient n-octanol/water (Log Pow)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Explosion limits	No data available
Explosive properties	None reported.
Oxidizing properties	None reported.
Particle characteristics	No data available

### Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## 10. STABILITY AND REACTIVITY

### Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**Conditions to avoid**

Direct sunlight. extreme temperatures.

**Incompatible materials**

No additional information available

**Hazardous decomposition products**

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

**11. TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

**Glycerin (56-81-5)**

LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10 g/kg
LD50 dermal	56750 mg/kg (4 day(s), Guinea pig, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 2.75 mg/l/4h
LC50 Inhalation - Rat (Vapors)	> 2.75 mg/l Source: ECHA

**Phenoxyethanol (122-99-6)**

LD50 oral rat	1850 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	14391 mg/kg (24 h, Rat, Male / female, Dermal, 48 day(s))
LD50 dermal rabbit	5 ml/kg

LC50 Inhalation - Rat	> 0.057 mg/l (Exposure time: 8 h)
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**CURCUMA LONGA ROOT EXTRACT (84775-52-0)**

LD50 oral rat	300 – 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
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Skin corrosion/irritation : Not classified  
pH: 4 – 7

**Glycerin (56-81-5)**

pH	5.5 – 8
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**Phenoxyethanol (122-99-6)**

pH	No data available in the literature
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Serious eye damage/irritation : Not classified  
pH: 4 – 7

**Glycerin (56-81-5)**

pH	5.5 – 8
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**Phenoxyethanol (122-99-6)**

pH	No data available in the literature
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Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified

**Phenoxyethanol (122-99-6)**

LOAEL (animal/male, F1)	≈ 1875 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: other:
LOAEL (animal/female, F1)	≈ 1875 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: other:
STOT-single exposure	Not classified

**Phenoxyethanol (122-99-6)**

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	Not classified

**Phenoxyethanol (122-99-6)**

LOAEL (oral, rat, 90 days)	> 700 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90- Day Oral Toxicity in Rodents)
LOAEL (dermal, rat/rabbit, 90 days)	> 500 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
NOAEL (dermal, rat/rabbit, 90 days)	500 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Aspiration hazard : Not classified

**Glycerin (56-81-5)**

Viscosity, kinematic	1121 mm <sup>2</sup> /s (20 °C, Calculated)
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**Phenoxyethanol (122-99-6)**

Viscosity, kinematic	No data available in the literature
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Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : None under normal conditions.

Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : None under normal conditions.

**12. ECOLOGICAL INFORMATION**

**Toxicity**

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

**Glycerin (56-81-5)**

LC50 - Fish [1]	51 – 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	> 10000 mg/l (24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

**Phenoxyethanol (122-99-6)**

LC50 - Fish [1]	220 – 460 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	> 500 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Behaviour)
LC50 - Fish [2]	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 72h - Algae [1]	> 500 mg/l (Species: Desmodesmus subspicatus)
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)

**CURCUMA LONGA ROOT EXTRACT (84775-52-0)**

EC50 - Crustacea [1]	21.94 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.08 – 0.16 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

**Persistence and degradability**

**TURMERIC EXTRACT IN GLYCERIN**

Persistence and degradability	Biodegradable.
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**Glycerin (56-81-5)**

Persistence and degradability	Readily biodegradable in water.
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**Water (7732-18-5)**

Persistence and degradability	Biodegradability: not applicable.
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**Phenoxyethanol (122-99-6)**

Persistence and degradability	Rapidly degradable
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**CURCUMA LONGA ROOT EXTRACT (84775-52-0)**

Persistence and degradability	Biodegradable.
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**Bioaccumulative potential**

**Glycerin (56-81-5)**

BCF - Fish [1]	(no bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	-1.76
Bioaccumulative potential	Not bioaccumulative.

**Phenoxyethanol (122-99-6)**

Partition coefficient n-octanol/water (Log Pow)	1.2 (Experimental value, EU Method A.8: Partition Coefficient, 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

**Mobility in soil**

**Glycerin (56-81-5)**

Surface tension	63.4 mN/m (20 °C, 1000 g/l)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

**Phenoxyethanol (122-99-6)**

Surface tension	70.7 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.6 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using

	High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Highly mobile in soil.

**Other adverse effects**

Ozone : Not classified

Fluorinated greenhouse gases : No

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Regional waste regulation :

Disposal must be done according to official regulations.

Waste treatment methods :

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations :

Disposal must be done according to official regulations.

Product/Packaging disposal recommendations :

Disposal must be done according to official regulations.

Additional information :

Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
<b>UN number</b>			
Not regulated for transport			
<b>Proper Shipping Name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated

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<b>Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

**Transport in bulk**

Not applicable

**Special precautions for user**

**DOT**

Not regulated

**TDG**

Not regulated

**IMDG**

Not regulated

**IATA**

Not regulated

**15. REGULATORY INFORMATION**

**US Federal regulations**

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

CURCUMA LONGA ROOT EXTRACT	CAS-No. 84775-52-0	2 – 6%
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**International regulations**

No additional information available

**US State regulations**

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
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Glycerin(56-81-5)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
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**16. OTHER INFORMATION**

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

**Full text of hazard classes and H-statements**

- H302 Harmful if swallowed
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation

NFPA health hazard :

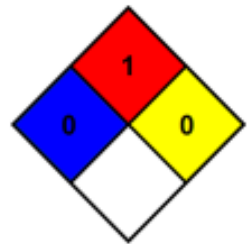
0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard :

1 - Materials that must be preheated before ignition can occur.

NFPA reactivity :

0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health :

0 Minimal Hazard - No significant risk to health

Flammability :

1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical :

0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : A - Safety glasses.

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