

BIO-SOFT® N-1200

Version
1.1Revision Date:
03/27/2025Date of last issue: 10/06/2023
Date of first issue: 10/06/2023

SECTION 1. IDENTIFICATION

Product name : BIO-SOFT® N-1200

Product code : 1083715

Manufacturer or supplier's details

Company name of supplier : STEPAN US

Address : 1101 Skokie Blvd, Suite 500
Northbrook IL 60062

Telephone : (847) 446-7500

Emergency telephone Medical 1-800-228-5635 (Available 24 hours a day.
SDS/Product information may not be
available for the emergency service.)
Chemtrec 1-800-424-9300
Chemtrec Int'l 1-703-527-3887**Recommended use of the chemical and restrictions on use**

Recommended use : Surfactant

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Acute toxicity (Oral) : Category 4

Serious eye damage : Category 1

Short-term (acute) aquatic hazard : Category 2

Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H302 Harmful if swallowed.

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H318 Causes serious eye damage.
H401 Toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Components

Chemical name	CAS-No.	Concentration (% w/w)
Alcohols, C12-15, ethoxylated	68131-39-5	40 - 50
Alcohols, C9-11, ethoxylated	68439-46-3	40 - 50

SECTION 4. FIRST AID MEASURES

General advice : Immediate medical attention is required.
Show this material safety data sheet to the doctor in attendance.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact : Remove contaminated clothing and shoes.
Wash off with soap and water.
Get medical attention if irritation develops and persists.
Wash contaminated clothing before reuse.

In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Continue rinsing.
Get medical attention immediately.

If swallowed : Rinse mouth.

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Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed : Harmful if swallowed.
Causes serious eye damage.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide, dry powder, foam.
Fog

Unsuitable extinguishing media : Water spray jet

Specific hazards during fire fighting : May release toxic, irritating and/or corrosive gases.

Further information : Standard procedure for chemical fires.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions : Local authorities should be advised if significant spillages cannot be contained.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Clean thoroughly.
After cleaning, flush away traces with water.
Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Technical measures : Ensure that eyewash stations and safety showers are close to

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- the workstation location.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Wear personal protective equipment.
For personal protection see section 8.
Provide sufficient air exchange and/or exhaust in work rooms.
As a rule, at least 10 air changes per hour are recommended at the workplace.
Handle and open container with care.
Keep container closed when not in use.
Do not get in eyes or mouth or on skin.
Do not swallow.
Do not breathe dust, fume, gas, mist, vapors or spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
- Conditions for safe storage : Store in original container.
Keep tightly closed.
- Materials to avoid : Store away from incompatible materials (see Section 10 of the SDS).
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

Personal protective equipment

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection
- Remarks : Protective gloves The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Wear safety glasses with side shields or goggles.
Face-shield
- Skin and body protection : Lightweight protective clothing
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
- Protective measures : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
- Hygiene measures : Do not taste or swallow.

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General industrial hygiene practice.
Remove and wash contaminated clothing and gloves,
including the inside, before re-use.
Wash hands before breaks and immediately after handling
the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear to slightly hazy liquid.
Color	:	colorless
Odor	:	mild
pH	:	6 - 6.5 (10% in water)
Melting point/freezing point	:	< 55 °F / < 13 °C
Pour point	:	63 °F / 17 °C
Initial boiling point and boiling range	:	> 212 °F / > 100 °C
Flash point	:	> 201.0 °F / > 93.9 °C Method: Pensky-Martens closed cup
Density	:	8.33 lb/gal (77 °F / 25 °C)
Viscosity Viscosity, dynamic	:	40 mPa.s (100 °F / 38 °C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Incompatible materials Contact with incompatible materials.

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Incompatible materials : Strong oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Harmful if swallowed.

Product:

Acute oral toxicity : LD50: > 300 - 2,000 mg/kg
Method: Acute toxicity estimate
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50: > 2,000 mg/kg
Method: Acute toxicity estimate
Assessment: The component/mixture is minimally toxic after single contact with skin.

Skin corrosion/irritation

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

Product:

Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Result : Corrosive

Respiratory or skin sensitization**Skin sensitization**

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

Respiratory sensitization

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

Product:

Result : Not sensitising

Germ cell mutagenicity

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

Product:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

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Carcinogenicity

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

Product:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified due to lack of data.

Product:

Reproductive toxicity - Assessment : No toxicity to reproduction

STOT-single exposure

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

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT-repeated exposure

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

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks : No data available

Aspiration toxicity

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

Product:

No aspiration toxicity classification

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Persistence and degradability

Product:

Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of contents/ container to an approved waste disposal plant.

Contaminated packaging : The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

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IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**49 CFR**

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION**CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

SARA 304 Extremely Hazardous Substances Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Acute toxicity (any route of exposure)
Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

acetaldehyde	75-07-0	>= 0 - < 0.1 %
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The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

acetaldehyde	75-07-0	>= 0 - < 0.1 %
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This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

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California Prop. 65

WARNING: This product can expose you to chemicals including ethylene oxide, acetaldehyde, which is/are known to the State of California to cause cancer, and ethylene oxide, ethane-1,2-diol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

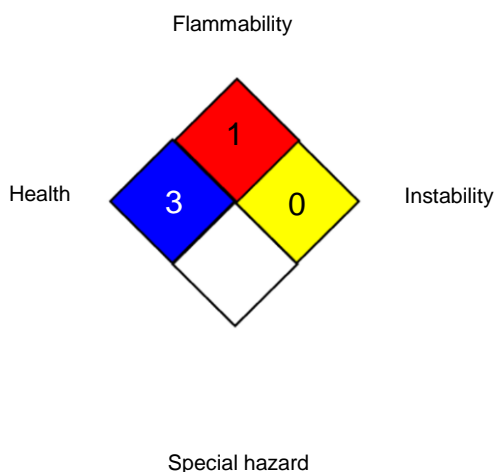
The ingredients of this product are reported in the following inventories:

- TSCA : On the inventory, or in compliance with the inventory
- AIIC : On the inventory, or in compliance with the inventory
- DSL : On the inventory, or in compliance with the inventory
- IECSC : All components are listed on the inventory, regulatory obligations/restrictions apply
- ENCS : On the inventory, or in compliance with the inventory
- ISHL : Not in compliance with the inventory
- NZIoC : On the inventory, or in compliance with the inventory
- PICCS : On the inventory, or in compliance with the inventory
- TCSI : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	3
FLAMMABILITY	1	
PHYSICAL HAZARD	0	

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

SAFETY DATA SHEET



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material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / Z8