

# SAFETY DATA SHEET



Product name:	Biostar SX	Page:	1/11
Supersedes date:	2019-12-13	Last revised date:	2023-07-24
Product No.:	I6813	SDS-ID:	EU-EN/5.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name: Biostar SX  
Rapeseed methyl ester

CAS-No.: 67762-38-3  
EC No.: 267-015-4  
REACH Reg. No.: 01-2119471664-32-0101

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Degreasing agent / Releasing agent.

### 1.3. Details of the supplier of the safety data sheet

Supplier: Uno-X Smøreolie A/S  
Buddingevej 195  
DK-2860 Søborg  
Tel:+45 7011 5678  
teknik@unox.dk  
<https://lube.unox.dk/>

Supplier: Uno-X Smøreolje AS  
Gladengveien 2  
NO-0661 Oslo  
Tel:+47 04210 / 95059618  
olje@unox.no  
<https://olje.unox.no>

Responsible for safety data sheet authoring: teknik@unox.dk

### 1.4. Emergency telephone number

Emergency telephone: National Poison Control Centres are available in Member Countries.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP: The product is not classified.

### 2.2. Label elements

The substance/mixture does not meet the criteria for classification and labelling.

### 2.3. Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

Other: May cause temporary irritation on skin or eye contact.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes</u>
≤ 100	67762-38-3	267-015-4	01-2119471664-32-0101	Rapeseed methyl ester	-	:

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation: Move into fresh air and keep at rest.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink 1-2 glasses of water. Keep person under observation. If uncomfortable: Transportation to hospital. Bring along these instructions.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

### 4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.  
Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards: During fire, gases hazardous to health may be formed.  
Risk of self-ignition of rags and the like, moistened with the product.

### 5.3. Advice for firefighters

Protective equipment for fire-fighters: Use air-supplied respirator during fire fighting.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Personal precautions: Follow precautions for safe handling described in this safety data sheet.

### **6.2. Environmental precautions**

Environmental precautions: Avoid discharge into water courses or onto the ground.

### **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up: Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

### **6.4. Reference to other sections**

References: For personal protection, see section 8.  
For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Safe handling advice: Avoid inhalation of vapours/spray and contact with skin and eyes.  
Observe good chemical hygiene practices.

Technical measures: Keep the workplace clean.  
Contaminated rags and cloths must be put in fireproof containers for disposal.

Technical precautions: Mechanical ventilation may be required.

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

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container in a dry, cool and well-ventilated place.  
Store away from: Heat, sources of ignition and contact with oxidising substances

### **7.3. Specific end use(s)**

Specific use(s): No information available.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No occupational exposure limit assigned.

Please note that there may be national occupational exposure limits.

DNEL/PNEC:

- DNEL long-term oral (systemic, consumers): 5 mg/kgbodyweight/day
- DNEL long-term dermal (systemic, consumers): 10 mg/kgbodyweight/day
- DNEL long-term dermal (systemic, workers): 5 mg/kgbodyweight/day
- DNEL long-term inhalative (systemic, consumers): 23 mg/m<sup>3</sup>
- DNEL long-term inhalative (systemic, workers): 6,96 mg/m<sup>3</sup>
- PNEC sewage treatment plant: 520 mg/l
- PNEC, Fresh Water: 2504 mg/l
- PNEC, Sea water: 0,2504 mg/l
- PNEC, Intermittent release: 25,04 mg/l

### 8.2. Exposure controls

Engineering measures: Provide adequate ventilation.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2).

Hand protection: Protective gloves must be used if there is a risk of direct contact or splash. Polyethylene. or PVC gloves are recommended. The most suitable glove must be chosen in collaboration with the supplier of gloves, who can inform about the breakthrough time of the glove material.

Eye protection: Risk of splashes: Wear goggles/face shield.

Skin protection: Wear apron or protective clothing in case of contact.

Hygiene measures: Wash hands after handling.

Environmental Exposure Controls: Not available.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<u>Physical state:</u>	yellowish liquid
<u>Odour:</u>	Characteristic.
<u>Odour threshold:</u>	Not available.
<u>pH:</u>	Not relevant.
<u>Melting point / freezing point:</u>	< 0 °C
<u>Boiling point:</u>	> 300°C (1,013 hPa)
<u>Flash point:</u>	> 160 °C
<u>Evaporation rate:</u>	Not available.
<u>Flammability (solid, gas):</u>	Not flammable.
<u>Explosion limits:</u>	Not available.
<u>Vapour pressure:</u>	~ 420 Pa (25 °C)
<u>Vapour density:</u>	Not available.
<u>Relative density:</u>	0.88 g/cm <sup>3</sup> (20°C)
<u>Solubility:</u>	Immiscible with water.
<u>Partition coefficient (n-octanol/water):</u>	log Kow: 6,2 (25°C)
<u>Auto-ignition temperature (°C):</u>	261 +/- 5 °C
<u>Decomposition temperature (°C):</u>	Not available.
<u>Viscosity:</u>	Not available.
<u>Explosive properties:</u>	Non-explosive
<u>Oxidising properties:</u>	Not available.
<b><u>9.2. Other information</u></b>	
<u>Other data:</u>	Not available.

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## SECTION 10: STABILITY AND REACTIVITY

### **10.1. Reactivity**

Reactivity: None known.

### **10.2. Chemical stability**

Stability: Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Hazardous Reactions: None known.

### **10.4. Conditions to avoid**

Conditions/materials to avoid: Heating. Direct sunlight.

### **10.5. Incompatible materials**

Incompatible materials: Strong oxidising substances and strong bases.

### **10.6. Hazardous decomposition products**

Hazardous decomposition products: During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

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

Inhalation: Inhalation of aerosols formed during use of the product may irritate the respiratory system and provoke coughing.

Skin contact: Prolonged contact may cause redness, irritation and dry skin.

Eye contact: May cause temporary eye irritation.

Ingestion: May irritate and cause malaise.

Specific effects: None known.

Toxicological data: LD50 (oral, rat): > 5.000 mg/kg  
LD50 (dermal, rabbit): > 2.000 mg/kg  
Repeated dose toxicity: >1000 mg/kg bodyweight/day (Oral/Rat)

### 11.2. Information on other hazards

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

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## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Ecotoxicity: There are no data on the ecotoxicity of this product.

EC50 (Daphnia magna, 48 hours): 2.504 mg/l

LC50 (Fish): > 100.000 mg/l

### **12.2. Persistence and degradability**

Degradability: The product is easily biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential: Bioaccumulation: Is not expected to be bioaccumulable.

### **12.4. Mobility in soil**

Mobility: The substance is predicted to have low mobility in soil.

### **12.5. Results of PBT and vPvB assessment**

PBT/vPvB: This product does not contain any PBT or vPvB substances.

### **12.6. Endocrine disrupting properties**

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

### **12.7. Other adverse effects**

Other adverse effects: None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

Waste from residues: EWC-code: 16 05 09

Contaminated packaging: Dispose of contaminated packings as residue.

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## SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

### **14.1. UN number**

UN-No: -

### **14.2. UN proper shipping name**

Proper Shipping Name: -

### **14.3. Transport hazard class(es)**

Class: -

### **14.4. Packing group**

PG: -

### **14.5. Environmental hazards**

Marine pollutant: -

Environmentally Hazardous substance: -

### **14.6. Special precautions for user**

Special precautions: Not relevant.

### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk: Not relevant.

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## SECTION 15: REGULATORY INFORMATION

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work, with amendments.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, with amendments.

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work, with amendments.

Directive 2004/37/EC of the European Parliament and of the Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work, with amendments.

Directive 2009/148/EC of the European Parliament and of the Council of 30 November 2009 on the protection of workers from the risks related to exposure to asbestos at work, with amendments.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, with amendments.

2014/955/EC: Commission Decision of 18 December 2014 amending Decision 2000/532/EC as regards the list of wastes.

### **15.2. Chemical Safety Assessment**

CSA status: A chemical safety assessment has been carried out.

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## SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1, 4, 9, 11, 12, 16.

### Abbreviations and acronyms

#### used in the safety data sheet:

CSA = Chemical Safety Assessment.

DNEL = Derived No Effect Level.

EC50 = Effective Concentration 50%.

LC50 = Lethal Concentration 50%.

LD50 = Lethal Dose 50%.

PBT = Persistent, Bioaccumulative and Toxic.

PNEC = Predicted No Effect Concentration.

vPvB = very Persistent and very Bioaccumulative.

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
[www.dhigroup.com](http://www.dhigroup.com).

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