

SAFETY DATA SHEET



Product name: Biostar SX Page: 1/11
Supersedes date: 2019-01-03 Last revised date: 2019-12-13
Product No.: I6813 SDS-ID: EU-EN/4.0

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: YX Smørelje A/S
Buddingevej 195
DK-2860 Søborg
Tel:+45 7011 5678
teknik@yxlube.dk
yxlube.dk

Supplier: YX Smørelje AS
Lysaker Torg 35
NO-1366 Lysaker
Tel:+47 04210
olje@yx.no
<https://olje.yx.no>

1.4. Emergency telephone number

Emergency telephone: Poison Control Centers may be available in specific 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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	2/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

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 plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring 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.

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	3/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

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.

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	4/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

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/m³
- DNEL long-term inhalative (systemic, workers): 6,96 mg/m³
- 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.

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	5/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Appearance:</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 ³ (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>Oxidising properties:</u>	Not available.
<u>9.2. Other information</u>	
<u>Other data:</u>	Not available.

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	6/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

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, CO₂) are formed.

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	7/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

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)

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	8/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: The product is not expected to be hazardous to the environment.

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. 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.

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	9/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/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: None known.

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

Transport in bulk: Not relevant.

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	10/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

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.

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.

SAFETY DATA SHEET

Product name:	Biostar SX	Page:	11/11
Supersedes date:	2019-01-03	Last revised date:	2019-12-13
Product No.:	I6813	SDS-ID:	EU-EN/4.0

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, 13.

Abbreviations and acronyms CSA= Chemical Safety Assessment.
used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.

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.
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