

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Micro I TIX

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Degreaser

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Blue & Green AB
Stenorsvägen 52
261 44 Landskrona
Sweden
Tfn: +46 418 399000
Fax: +46 418 13199
www.blueandgreen.se

E-mail

info@blueandgreen.se

SDS date

2021-11-22

SDS Version

2.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Asp. Tox. 1; H304
Eye Dam. 1; H318
Aquatic Chronic 3; H412
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

May be fatal if swallowed and enters airways. (H304)
Causes serious eye damage. (H318)
Harmful to aquatic life with long lasting effects. (H412)

According to EC-Regulation 2015/830

▼ Precautionary statements

General	If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102).
Prevention	Wear eye protection. (P280).
Response	Immediately call a POISON CENTER/doctor. (P310). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
Storage	-
Disposal	Dispose of contents/container to an approved waste disposal plant. (P501).

▼ Identity of the substances primarily responsible for the major health hazards

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics; Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl); 1-Heptanol, 2-propyl-, 8EO; 1-Heptanol, 2-propyl-, 5EO

Additional labelling

Not applicable

Unique formula identifier (UFI)

R4S1-DU77-U99E-QYUA

2.3. Other hazards

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.

Additional warnings

Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.

VOC (volatile organic compound)

Not applicable

SECTION 3: Composition/information on ingredients

▼ 3.1/3.2. Substances/Mixtures

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

1-Heptanol, 2-propyl-, 8EO

1-Heptanol, 2-propyl-, 5EO

Does not contain any substances required to report

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

Detergent:
15 - 30%: NON-IONIC SURFACTANTS
5 - 15%: ALIPHATIC HYDROCARBONS
< 5%: AMPHOTERIC SURFACTANTS

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him/her.

▼ Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water.

Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical

According to EC-Regulation 2015/830

assistance immediately and continue flushing.

Ingestion

Do not induce vomiting! If vomiting occurs, keep head facing down to prevent vomit entering the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should be kept under medical attention for a minimum of 48 hours.

Burns

Not applicable

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

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist.

5.2. Special hazards arising from the substance or mixture

Nothing special

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

▼ 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

▼ 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

Room temperature 18 to 23°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

▼ DNEL / PNEC

According to EC-Regulation 2015/830

PNEC (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)): 0.007 mg/l
Exposure: Freshwater

PNEC (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)): 0.0007 mg/l
Exposure: Marine water

PNEC (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)): 0.024 mg/l
Exposure: Intermittent release

PNEC (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)): 0.195 mg/kg dw
Exposure: Freshwater sediment

PNEC (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)): 0.0195 mg/kg dw
Exposure: Marine water sediment

PNEC (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)): 830 mg/l
Exposure: Sewage Treatment Plant

PNEC (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)): 0.0348 mg/kg dw
Exposure: Soil

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

There is no appendix to this safety data sheet.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

▼ Respiratory Equipment

NA

Skin protection

Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.

Hand protection

Nitrile rubber

Breakthrough time: > 480 minutes (Class 6)

Eye protection

Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form

Liquid

Colour

Clear

Odour

Mild

Odour threshold (ppm)

No data available.

According to EC-Regulation 2015/830

pH	9.7
Viscosity (40°C)	No data available.
Density (g/cm ³)	0.99
Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
Data on fire and explosion hazards	
Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.
Solubility	
Solubility in water	Soluble
n-octanol/water coefficient	No data available.
9.2. Other information	
Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

Nothing special

10.4. Conditions to avoid

Nothing special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance: 1-Heptanol, 2-propyl-, 8EO

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >300-2000 mg/kg

Substance: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: >2000 mg/kg bw

Substance: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >5000 mg/kg bw

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: >5000 mg/kg

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

According to EC-Regulation 2015/830

Species: Rat

Test: LD50

Route of exposure: Oral

Result: >5000 mg/kg

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: >20 mg/l 4h

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

May be fatal if swallowed and enters airways.

Long term effects

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

▼ **12.1. Toxicity**

Substance: 1-Heptanol, 2-propyl- , 5EO

Species: Fish

Test: LC50

Duration: 96h

Result: 10-100 mg/l

Substance: 1-Heptanol, 2-propyl- , 5EO

Species: Daphnia

Test: EC50

Duration: 48h

Result: 10-100 mg/l

Substance: 1-Heptanol, 2-propyl- , 8EO

Species: Fish

Test: LC50

Duration: 96h

Result: 10-100 mg/l

Substance: 1-Heptanol, 2-propyl- , 8EO

Species: Daphnia

Test: EC50

Duration: 48h

Result: 10-100 mg/l

Substance: 1-Heptanol, 2-propyl- , 8EO

Species: Algae

Test: EC50

Duration: 72h

Result: 10-100 mg/l

Substance: 1-Heptanol, 2-propyl- , 8EO

Species: Fish

Test: NOEC

Duration:

Result: >1 mg/l

Substance: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Species: Fish

Test: LC50

According to EC-Regulation 2015/830

Duration: 96 h
Result: 1-10 mg/l

Substance: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 1-10 mg/l

Substance: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
Species: Algae
Test: EC50
Duration: 72 h
Result: 1-10 mg/l

Substance: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
Species: Fish
Test: NOEC
Duration: 28 d
Result: 0,32 mg/l

Substance: Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
Species: Daphnia
Test: NOEC
Duration: 21 d
Result: 0,07 mg/l

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species: Fish
Test: NOEC
Duration: 96h
Result: 1000 mg/l

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species: Daphnia
Test: NOEC
Duration: 48h
Result: 1000 mg/l

Substance: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Species: Algae
Test: NOEC
Duration: 72h
Result: 1000 mg/l

▼ 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
1-Heptanol, 2-propyl-, 5EO	Yes	Closed Bottle Test	>60%
1-Heptanol, 2-propyl-, 8EO	Yes	Closed Bottle Test	>60%
Amides, C8-18 and C18-unsatd.,...	Yes	No data available	No data available
Hydrocarbons, C11-C14, n-alkan...	Yes	Closed Bottle Test	69%

▼ 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
1-Heptanol, 2-propyl-, 5EO	No	No data available	No data available
1-Heptanol, 2-propyl-, 8EO	No	No data available	No data available
Amides, C8-18 and C18-unsatd.,...	No	375	No data available

▼ 12.4. Mobility in soil

Amides, C8-18 and C18-unsatd.,...: Log Koc= 297.0409, Calculated from LogPow ().
Hydrocarbons, C11-C14, n-alkan...: Log Koc= 5.70089, Calculated from LogPow (Low mobility potential.).

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

According to EC-Regulation 2015/830

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

- 14.1. UN number -
- 14.2. UN proper shipping name -
- 14.3. Transport hazard class(es) -
- 14.4. Packing group -
- Notes -
- Tunnel restriction code -

IMDG

- UN-no. -
- Proper Shipping Name -
- Class -
- PG* -
- EmS -
- MP** -
- Hazardous constituent -

IATA/ICAO

- UN-no. -
- Proper Shipping Name -
- Class -
- PG* -

14.5. Environmental hazards

-

14.6. Special precautions for user

-

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

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Demands for specific education

-

Additional information

Not applicable

Seveso

-

Biocidal reg. no.

Not applicable

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
 Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.
 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 (CLP).
 Regulation (EC) 1907/2006 (REACH).

15.2. Chemical safety assessment

According to EC-Regulation 2015/830

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H411 - Toxic to aquatic life with long lasting effects.

EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

-

Additional label elements

Not applicable

Other

In accordance with Article 31 of REACH a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis. In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

Viktoria Evaldsson

Date of last essential change (First cipher in SDS version)

2020-10-20(1.0)

Date of last minor change (Last cipher in SDS version)

2020-10-20