

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.

53

Unique formula identifier (UFI)

R4S1-DU77-U99E-QYUA

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

No special

1.3. Details of the supplier of the safety data sheet

Company and address

Blue & Green AB

Stenorsvägen 52

261 44 Landskrona

Sweden

+46 418 399000

www.blueandgreen.se

E-mail

info@blueandgreen.se

Revision

25/05/2022

SDS Version

1.0

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

Eye Dam. 1; H318, Causes serious eye damage.

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes serious eye damage. (H318)

Harmful to aquatic life with long lasting effects. (H412)

Safety statement(s)

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/protective gloves. (P280)

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Immediately call a POISON CENTER/doctor. (P310)

Storage

Disposal

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

Hazardous substances

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

1-Heptanol, 2-propyl-, 8EO

1-Heptanol, 2-propyl-, 5EO

2.3. Other hazards

Additional labelling

Not applicable

Additional warnings

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product/substance	Identifiers	% w/w	Classification	No
Hydrocarbons, C11-C14, n-alkanes, isoalkanes,	CAS No.:	5-10%	EUH066 Asp. Tox. 1, H304	
cyclics, <2% aromatics	EC No.: 926-141-6		•	
	REACH: 01-2119456620-43			
	Index No.:			
Amides, C8-18 and C18-	CAS No.: 68155-07-7	5-10%	Skin Irrit. 2, H315	
unsatd., N,N- bis(hydroxyethyl)	EC No.: 931-329-6		Eye Dam. 1, H318 Aquatic Chronic 2, H411	
	REACH: 01-2119490100-53			
	Index No.:			
1-Heptanol, 2-propyl- ,	CAS No.: 160875-66-1	3-5%	Acute Tox. 4, H302	
8EO	EC No.:		Eye Dam. 1, H318	
	REACH:			
	Index No.:			
	Index No			
1-Heptanol, 2-propyl- , 5EO	CAS No.: 160875-66-1	1-3%	Eye Dam. 1, H318	
	EC No.: 605-233-7			
	REACH:			
	Index No.:			

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

Other information

No special

Labelling of contents according to Detergents Regulation (EC) No 648/2004

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. 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

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

Upon irritation of the eye: 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 assistance immediately and continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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 or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Not applicable

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

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.

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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.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

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

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

Room temperature 18 to 23°C

Incompatible materials

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

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

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

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

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	2,5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	4,16 mg/kg bw/day
Short term – Systemic effects - General population	Dermal	56,2 μg/cm²
Long term – Systemic	Inhalation	21,73 mg/m³

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effects - General population		
Long term – Systemic effects - Workers	Inhalation	73,4 mg/m³
Long term – Systemic effects - General population	Oral	6,25 mg/kg bw/d

PNEC

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

Route of exposure	Duration of Exposure	PNEC
Freshwater		0.007 mg/L
Freshwater sediment		0.195 mg/kg dw
Intermittent release		0.024 mg/L
Marine water		0.0007 mg/L
Marine water sediment		0.0195 mg/kg dw
Sewage treatment plant		830 mg/L
Soil		0.0348 mg/kg dw

8.2. Exposure controls

Control is unnecessary if the product is used as intended.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

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 vapours.

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

No specific requirements

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

No specific requirements

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	A P

Hand protection

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Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile e protection	-	> 480	EN374-2, EN374-3, EN388	
Туре	Standards			
Safety glasses with side shields.	EN166			

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Clear

Odour / Odour threshold

Faint

pН

9.7

Density (g/cm³)

0.99

Kinematic viscosity

Testing not relevant or not possible due to nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

Testing not relevant or not possible due to nature of the product.

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

Testing not relevant or not possible due to nature of the product.

Vapour pressure

Testing not relevant or not possible due to nature of the product.

Relative vapour density

Testing not relevant or not possible due to nature of the product.

Decomposition temperature (°C)

Testing not relevant or not possible due to nature of the product.

Data on fire and explosion hazards

Flash point (°C)

Testing not relevant or not possible due to nature of the product.

Ignition (°C)

Testing not relevant or not possible due to nature of the product.

Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

Solubility



Solubility in water

Completely soluble

n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

9.2. Other information

Other physical and chemical parameters

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 section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

No 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 hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity

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

Test method

Species Rat
Route of exposure Dermal
Test LD50

Result >5000 mg/kg

Other information

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

Test method

Species Rat

Route of exposure Oral

Test LD50

Result >5000 mg/kg

Other information

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

Test method

Species Rat
Route of exposure Inhalation
Test LC50 (4 hours)
Result >20 mg/L

Other information

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

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Test method

Species Rat
Route of exposure Oral
Test LD50

Result >5000 mg/kgbw

Other information

Product/substance

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

Test method

Species Rabbit
Route of exposure Dermal
Test LD50

Result >2000 mg/kgbw

Other information

Product/substance

1-Heptanol, 2-propyl-, 8EO

Test method

Species Rat
Route of exposure Oral
Test LD50

Result >300-2000 mg/kg

Other information

Product/substance

1-Heptanol, 2-propyl-, 5EO

Test method

Species Rat

Route of exposure Oral

Test LD50

Result >2000 mg/kg

Other information

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

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

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.

11.2. Information on other hazards



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.

Endocrine disrupting properties

No special

Other information

No special

SECTION 12: Ecological information

12.1. Toxicity

Product/substance

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

Test method

Species Fish, Oncorhynchus mykiss

Compartment

Duration 96 hours
Test LL0
Result 1000 mg/L

Other information

Product/substance

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

Test method

Species Algae, Pseudokirchneriella subcapitata

Compartment

Duration 72 hours
Test EL0
Result 1000 mg/L

Other information

Product/substance

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

Test method

Species Daphnia, Daphnia magna

Compartment

Duration 48 hours
Test EL0
Result 1000 mg/L

Other information

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

Test method

Species Fish, Oncorhynchus mykiss

Compartment

Duration 96 hours
Test LC50
Result 1-10 mg/L

Other information

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

Test method

Species Daphnia, Daphnia magna

Compartment

Duration 48 hours

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Test	EC50
Result	1-10 mg/L
Other information	
Product/substance	Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
Test method	
Species Compartment	Algae, Scenedesmus subspicatus
Duration	72 hours
Test	EC50
Result	1-10 mg/L
Other information	
Product/substance	Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	28 days
Test	NOEC
Result	0,32 mg/L
Other information	
Product/substance	Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	21 days
Test	NOEC
Result	0,07 mg/L
Other information	
Product/substance	1-Heptanol, 2-propyl- , 8EO
Test method	Field On anything about moulting
Species	Fish, Oncorhynchus mykiss
Compartment	06 h
Duration	96 hours
Test	LC50
Result	10-100 mg/L
Other information	
Product/substance	1-Heptanol, 2-propyl- , 8EO
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	10-100 mg/L
Other information	

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Test method



Species Algae, Scenedesmus subspicatus

Compartment

Duration 72 hours
Test EC50
Result 10-100 mg/L

Other information

Product/substance

1-Heptanol, 2-propyl-, 5EO

Test method

Species Fish, Oncorhynchus mykiss

Compartment

Duration 96 hours
Test LC50
Result 10-100 mg/L

Other information

Product/substance

1-Heptanol, 2-propyl- , 5EO

Test method

Species Daphnia, Daphnia magna

Compartment

Duration 48 hours
Test EC50
Result 10-100 mg/L

Other information

12.2. Persistence and degradability

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

Biodegradable Test method Result

adable Yes

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

Biodegradable Test method Result

Yes

Product/substance 1-Heptanol, 2-propyl-, 8EO

Biodegradable Yes

Test method OECD 301 D

Result

Product/substance 1-Heptanol, 2-propyl-, 5EO

Biodegradable Ye

Test method OECD 301 D

Result

12.3. Bioaccumulative potential

Product/substance Test method Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

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Potential Yes

bioaccumulation

LogPow No data available BCF No data available

Other information

Product/substance

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

Test method

Potential N

bioaccumulation

LogPow No data available BCF No data available

Other information

Product/substance

1-Heptanol, 2-propyl-, 8EO

Test method

Potential No

bioaccumulation

LogPow No data available BCF No data available

Other information

Product/substance

1-Heptanol, 2-propyl-, 5EO

Test method

Potential No

bioaccumulation

LogPow No data available BCF No data available

Other information

12.4. Mobility in soil

No data available

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. Endocrine disrupting properties

No special

12.7. 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.

HP 4 - Irritant (skin irritation and eye damage)

HP 14 - Ecotoxic

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

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

07 06 04* Other organic solvents, washing liquids and mother liquors

Specific labelling

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Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

^{*} Packing group

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

Restrictions for application

No special

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

Not applicable

Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Sources

The Management of Health and Safety at Work Regulations 1999

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

 $\hbox{EUH066, Repeated exposure may cause skin dryness or cracking.}\\$

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.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

^{**} Environmental hazards

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the

Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

Åsa Möller

Other

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

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.

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.

Country-language: GB-en