

TRIBOR 20 GEL

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product form	Mixture
Product name	Tribor 20 Gel
Product code	FG77

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

1.2.1 Relevant identified uses

Main use category Professional use.

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Triton Systems

Units 3-5 Crayford Commercial Centre, Greyhound Way
Crayford, Kent DA1 4HF
Tel: 01322 318830 Fax: 01322 524017
Info@tritonsystems.co.uk - www.tritonsystems.co.uk

1.4 Emergency telephone number

Emergency number: +44 (0) 1322 318830 (0900 – 1700 UK time)

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Reproductive toxicity, Category 2	H361

Full text of H statements: See section 16

Adverse physicochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. Causes skin irritation. Causes serious eye irritation.

2.2 Label Elements:

Hazard pictograms (CLP)



GHS07



GHS08

Signal word (CLP)

Warning

Hazardous ingredients

Disodium Octaborate Tetrahydrate

Hazard statements: (CLP)

H315: Causes skin irritation
H319: Causes serious eye irritation.
H361: Suspected of damaging fertility. Suspected of damaging the unborn child

Precautionary statements:

P202: Do not handle until all safety precautions have been read and understood
P264: Wash hands, forearms and face thoroughly after handling
P280: Wear eye protection, face protection, protective clothing, protective gloves

(Continued



2. HAZARD IDENTIFICATION Continued)

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313: IF exposed or concerned: Get medical advice/attention
P332 + P313: If skin irritation occurs: Get medical advice/attention
P337 + P313: If eye irritation persists: Get medical advice/attention
P405: Store locked up
P501: Dispose of contents/container; to dispose of this material and its contain to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3 Other hazards:

PBT: Not relevant – no registration required.

vPvB: Not relevant – no registration required.

3. COMPOSITION & INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Disodium Octaborate Tetrahydrate	(CAS No) 12280-03-4 (EC No) 234-541-0 (REACH No) 01-2119490860-33	5-20	Repr. 2, H361d
COCOTRIMONIUM CHLORIDE	(CAS No) 61789-18-2 (EC No) 263-038-9	<5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10)

Full text of H-phrases: See Section 16

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

- First aid measures general:** Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
- First aid measures after Inhalation:** Remove person to fresh air and keep comfortable for breathing. Allow victim to breathe fresh air. Allow the victim to rest.
- First aid measures after skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
- First aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- First aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison centre or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact: Irritation.

Symptoms/injuries after eye contact: Eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Sand. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream.

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5. FIRE-FIGHTING MEASURES Continued)

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire Toxic fumes may be released

5.3 Advice for fire-fighters

Firefighting instructions Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.

6.1.2 For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. Equip clean-up crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures If spilled, may cause the floor to be slippery. Ventilate area.

6.2 Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.

Other information Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures Wash contaminated clothing before reuse. Do not eat, drink or smoke when using the product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Keep only in the original container in a cool, ventilated place away from: Keep away from children, direct sunlight. Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products Keep away from Oxidising agent, strong acids, strong bases.

7.3 Specific end use(s)

See technical instructions for use of this substance/mixture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No additional information available.

8.2 Exposure controls

Appropriate engineering controls	Ensure good ventilation of the work station
Personal protective equipment	Avoid all unnecessary exposure. Dust/aerosol mask. Gloves. Protective clothing. Protective goggles.
Materials for protective clothing	Wear suitable protective clothing and gloves.
Hand protection	Wear protective gloves.
Eye protection	Chemical goggles or safety glasses. Safety glasses.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	Wear appropriate mask. Wear respiratory protection



Environmental exposure controls

Avoid release to the environment.

Other information

Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Gel
Colour:	Colourless
Odour:	Odourless
Odour threshold:	No data available
pH:	5 - 6
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	Not data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Non flammable
Vapour pressure:	No data available
Relative vapour density at 20°C	No data available
Relative density:	1.15 – 1.21
Solubility:	Miscible in Water
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2 Other information

No additional information available



10. STABILITY AND REACTIVITY

- 10.1 Reactivity: This product is non-reactive under normal conditions of use, storage and transport.
- 10.2 Chemical stability: Stable under normal conditions.
- 10.3 Possibility of hazardous reactions: None under normal use.
- 10.4 Conditions to avoid: Direct sunlight. Extremely high or low temperatures.
- 10.5 Incompatible materials: Strong acids. Strong bases.
- 10.6 Hazardous decomposition products: Carbon monoxide. Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects.
 - Acute toxicity: Not classified

Disodium Octaborate Tetrahydrate (12280-03-4)	
LD50 oral rat	2550 mg/kg
LD50 dermal rabbit	> 2000 mg/kg Of Body Weight

- Skin corrosion/irritation:** Causes skin irritation.
pH: 5 – 6
- Additional information:** Based on available data, the classification criteria are not met.
- Serious eye damage/irritation:** Causes serious eye irritation
pH: 5 – 6
- Additional information:** Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation:** Not classified.
- Additional information:** Based on available data, the classification criteria are not met.
- Germ cell mutagenicity:** Not classified.
Based on available data, the classification criteria are not met.
- Carcinogenicity:** Not classified.
- Additional information:** Based on available data, the classification criteria are not met.
- Reproductive toxicity:** Suspected of damaging fertility. Suspected of damaging the unborn child.
- Specific target organ toxicity (single exposure):** Not classified
- Addition information:** Based on available data, the classification criteria are not met.
- Specific target organ toxicity (repeated exposure):** Not classified
- Additional information:** Based on available data, the classification criteria are not met.
- Aspiration hazard:** Not classified
- Additional information:** Based on available data, the classification criteria are not met.
- Potential adverse human health effects and symptoms.** Based on available data, the classification

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity
 - Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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12. ECOLOGICAL INFORMATION..... continued)

Disodium Octaborate Tetrahydrate (12280-03-4)	
LC50 fish 1	79.7 mg/l Feathered Minnow
EC50 Daphnia 1	133 mg/l
EC50 72h algae [mg/l] (1)	40 mg/l

12.2 Persistence and degradability

TRIBOR 20 GEL	
Persistence and degradability	Not established.

12.3 Bioaccumulative potential

TRIBOR 20 GEL	
Bioaccumulative potential	Not established.

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

TRIBOR 10 PRO	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	

12.6 Other adverse effects

Additional information: Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations Dispose in a safe manner in accordance with local/national regulations.

Ecology – waste materials Avoid release to the environment.

14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND

ADR	IMDG
14.1 UN Number	
Not applicable	Not applicable
14.2 UN proper shipping name	
Not applicable	Not applicable
Not applicable	Not applicable
14.3 Transport hazard class(es)	
Not applicable	Not applicable
Not applicable	Not applicable
14.4 Packing group	
Not applicable	Not applicable
14.5 Environmental hazards	
Not applicable	Not applicable
No supplementary information available	

14.6 Special precautions for user

Overland transport Not applicable

Transport by sea Not applicable

Continued

**14. TRANSPORT INFORMATIONcontinued)****14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1 EU-Regulations**

Contains no substances with Annex XVII restrictions
Contains no substance on REACH candidate list
Contains no REACH Annex XIV substances

15.1.2 National regulations**Germany**

VwVwS Annex reference

Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance implementing the Federal
Immission Control Act – 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen

COCOTRIMONIUM CHLORIDE is listed

SZW-lijst van mutagene stoffen

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting

None of the components are listed

Giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting

None of the components are listed

Giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting

None of the components are listed

Giftige stoffen – Ontwikkeling

Denmark

Recommendations Danish Regulation

Young people below the age of 18 years are not allowed to use the product.

Pregnant/breastfeeding women working with the product must not be in direct contact with the product.

The requirements from the Danish Working Environmental Authorities regarding work with carcinogens must be followed during use and disposal.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Use only in accordance with Statutory Precautions under the Control of Pesticides Regulations 1986. HSE No 10422

16. OTHER INFORMATION

Data sources

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 amending Regulation (EC) No 1907/2006

Other information

None.

Full text of H- and EUH-phrases:

Acute Tox.4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Repr. 1	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H361	Suspected of damaging fertility of the unborn child
H361d	Suspected of damaging the unborn child
H400	Very toxic to aquatic life

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information provided is designed only as guidance for safe use, processing, handling, storage, transport, release and disposal. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for use in combination with any other materials or in any process, unless specified in this safety data sheet.

