

## SAFETY DATA SHEET

### SHIELD MAX

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

##### 1.1. Product identifier

Trade name

AGS 3512

Product no.

3512

Unique formula identifier (UFI)

K190-G0DE-800R-2UW9

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

Relevant identified uses of the substance or mixture

Graffiti protection

Uses advised against

No special

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

Company and address

**Trion Tensid AB**

Svederusgatan 1-3

SE-75450 Uppsala

Sweden

+46 18 15 61 90

www.trion.se

Contact person

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E-mail

info@trion.se

Revision

15-10-2021

SDS Version

3.0

Date of previous version

2021-02-08 (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

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

##### 2.2. Label elements

Hazard pictogram(s)

Not applicable

Signal word

Not applicable

Hazard statement(s)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Not applicable  
Safety statement(s)  
General  
-  
Prevention  
-  
Response  
-  
Storage  
-  
Disposal  
-

Hazardous substances

No special

### 2.3. Other hazards

#### ▼ Additional labelling

EUH208, Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothi. May produce an allergic reaction.

EUH210, Safety data sheet available on request.

#### 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   | Note |
|--|---|-------|--|------|
| Alcohols, C12-15, branched and linear, ethoxylated | CAS No.: 106232-83-1<br>EC No.: 500-294-5<br>REACH:<br>Index No.: | <1%   | Acute Tox. 4, H302<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=1)      |      |
| Alcohols, C12-18, ethoxylated                      | CAS No.: 68213-23-0<br>EC No.:<br>REACH:<br>Index No.:            | <1%   | Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 3, H412 |      |
| Alcohols, C16-18 and C18 unsatd., ethoxylated      | CAS No.: 68920-66-1<br>EC No.:<br>REACH:<br>Index No.:            | <1%   | Acute Tox. 4, H302<br>Eye Dam. 1, H318                                     |      |
| Fatty alcohol polyglycol ether                     | CAS No.: 68439-49-6<br>EC No.: 500-212-8<br>REACH:                | <0,5% | Acute Tox. 4, H302<br>Eye Dam. 1, H318                                     |      |

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

## 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

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 minutes. Seek medical assistance 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

This product contains substances that may trigger an allergic reaction to predisposed persons.

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

No special

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### ▼ 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### 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

Fire fighters should wear appropriate personal protective equipment.

## SECTION 6: Accidental release measures

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

No specific requirements

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

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

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

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

4 - 25 Celcius

#### 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

|                   |  |
|-------------------|--|
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| DNEL              | 55 mg/m <sup>3</sup>                               |
| Route of exposure | Inhalation   |
| Duration          | Short term – Systemic effects - Workers            |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| DNEL              | 55 mg/m <sup>3</sup>                               |
| Route of exposure | Inhalation   |
| Duration          | Short term – Local effects - Workers               |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |  |
|-------------------|--|
| DNEL              | 7,3 mg/m <sup>3</sup>                              |
| Route of exposure | Inhalation   |
| Duration          | Long term – Systemic effects - Workers             |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| DNEL              | 15 000mg/kg bw/d                                   |
| Route of exposure | Dermal   |
| Duration          | Long term – Systemic effects - Workers             |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| DNEL              | 1,8 mg/m <sup>3</sup>                              |
| Route of exposure | Inhalation   |
| Duration          | Long term – Systemic effects - General population  |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| DNEL              | 1,5 mg/kg bw/d                                     |
| Route of exposure | Oral   |
| Duration          | Long term – Systemic effects - General population  |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| DNEL              | 7500 mg/kg bw/d                                    |
| Route of exposure | Dermal   |
| Duration          | Long term – Systemic effects - General population  |

#### ▼ PNEC

|                      |  |
|----------------------|--|
| Product/substance    | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| PNEC                 | 2 mg/L   |
| Route of exposure    | Freshwater   |
| Duration of Exposure | Single   |
| Product/substance    | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| PNEC                 | 0,2 mg/L   |
| Route of exposure    | Marine water                                       |
| Duration of Exposure | Single   |
| Product/substance    | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| PNEC                 | 1 mg/L   |
| Route of exposure    | Intermittent release                               |
| Duration of Exposure | Continuous   |

#### ▼ 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

### 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 CE marked protective equipment.

#### Respiratory Equipment

| Type  | Class | Colour | Standards |
|---|-------|--------|-----------|
| Respiratory protection is not needed in the event of adequate ventilation | -     | -      | -         |

#### Skin protection

| Recommended                       | Type/Category | Standards |
|-----------------------------------|---------------|-----------|
| No special when used as intended. | -             | -         |

#### ▼ Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards      |
|----------|----------------------|--------------------------|----------------|
| Latex    | 0.4                  | -                        | EN374-2, EN388 |



#### Eye protection

| Type                                   | Standards |
|--|-----------|
| Wear 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

White

#### Odour / Odour threshold

Faint

#### pH

8,5

Density (g/cm<sup>3</sup>)

1.00

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)

100.00 °C

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)

Not applicable - flash point > 200°C

▼ Ignition (°C)

Not applicable - flash point > 200°C

▼ Auto flammability (°C)

Not applicable - flash point > 200°C

▼ Lower and upper explosion limit (% v/v)

Not applicable - flash point > 200°C

Solubility

Solubility in water

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 | Alcohols, C12-15, branched and linear, ethoxylated |
| Test method       |  |
| Species           | Rat  |
| Route of exposure | Oral   |
| Test              | LD50   |
| Result            | 500-2000 mg/kg ·                                   |
| Other information |  |
| Product/substance | Tridecylalcoholethoxilate                          |
| Test method       |  |
| Species           | Rat  |
| Route of exposure | Oral   |
| Test              | LD50   |
| Result            | >300-2000 mg/kg ·                                  |
| Other information |  |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| Test method       |  |
| Species           | Rat  |
| Route of exposure | Oral   |
| Test              | LD50   |
| Result            | >5000 mg/kg  |
| Other information |  |

#### 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 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



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

No special

Endocrine disrupting properties

No special

▼ Other information

No special

## SECTION 12: Ecological information

### ▼ 12.1. Toxicity

|                   |  |
|-------------------|--|
| Product/substance | Alcohols, C12-15, branched and linear, ethoxylated |
| Test method       |  |
| Species           | Daphnia  |
| Compartment       |  |
| Duration          | 48 hours   |
| Test              | EC50   |
| Result            | 130 mg/kg ·  |
| Other information |  |
| Product/substance | Alcohols, C12-15, branched and linear, ethoxylated |
| Test method       |  |
| Species           | Fish   |
| Compartment       |  |
| Duration          | 96 hours   |
| Test              | LC50   |
| Result            | 1-10 mg/kg ·                                       |
| Other information |  |
| Product/substance | Tridecylalcoholethoxilate                          |
| Test method       |  |
| Species           | Daphnia  |
| Compartment       |  |
| Duration          | 48 hours   |
| Test              | EC50   |
| Result            | >10-100 mg/L                                       |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |  |
|-------------------|--|
| Other information |  |
| Product/substance | Tridecylalcoholethoxilate                          |
| Test method       |  |
| Species           | Fish   |
| Compartment       |  |
| Duration          | 96 hours   |
| Test              | LC50   |
| Result            | >1-10 mg/L   |
| Other information |  |
| Product/substance | Tridecylalcoholethoxilate                          |
| Test method       |  |
| Species           | Daphnia  |
| Compartment       |  |
| Duration          | 21 days  |
| Test              | LOEC   |
| Result            | >0,1-1 mg/L  |
| Other information |  |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| Test method       |  |
| Species           | Algae  |
| Compartment       |  |
| Duration          | 72 hours   |
| Test              | IC50   |
| Result            | >100 mg/L  |
| Other information |  |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| Test method       |  |
| Species           | Fish   |
| Compartment       |  |
| Duration          | 96 hours   |
| Test              | LC50   |
| Result            | >100 mg/L  |
| Other information |  |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |           |
|-------------------|-----------|
| Test method       |           |
| Species           | Daphnia   |
| Compartment       |           |
| Duration          | 48 hours  |
| Test              | EC50      |
| Result            | >265 mg/L |
| Other information |           |

### ▼ 12.2. Persistence and degradability

|                   |  |
|-------------------|--|
| Product/substance | Alcohols, C12-15, branched and linear, ethoxylated |
| Biodegradable     | Yes  |
| Test method       | OECD 301 B   |
| Result            | >60%   |
| Product/substance | Alcohols, C12-18, ethoxylated                      |
| Biodegradable     | Yes  |
| Test method       |  |
| Result            |  |
| Product/substance | Tridecylalcoholethoxilate                          |
| Biodegradable     | Yes  |
| Test method       |  |
| Result            |  |
| Product/substance | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| Biodegradable     | Yes  |
| Test method       |  |
| Result            |  |

### ▼ 12.3. Bioaccumulative potential

|                           |  |
|---------------------------|--|
| Product/substance         | Alcohols, C12-15, branched and linear, ethoxylated |
| Test method               |  |
| Potential bioaccumulation | No   |
| LogPow                    | No data available                                  |
| BCF                       | No data available                                  |
| Other information         |  |
| Product/substance         | Alcohols, C12-18, ethoxylated                      |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                           |  |
|---------------------------|--|
| Test method               |  |
| Potential bioaccumulation | No   |
| LogPow                    | No data available                                  |
| BCF                       | No data available                                  |
| Other information         |  |
| Product/substance         | Tridecylalcoholethoxilate                          |
| Test method               |  |
| Potential bioaccumulation | No   |
| LogPow                    | No data available                                  |
| BCF                       | No data available                                  |
| Other information         |  |
| Product/substance         | tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate |
| Test method               |  |
| Potential bioaccumulation | No   |
| LogPow                    | <0   |
| 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.

### SECTION 13: Disposal considerations

#### ▼ 13.1. Waste treatment methods

##### EWC code

20 01 30 Detergents other than those mentioned in 20 01 29

##### Specific labelling

Not applicable

##### Contaminated packing

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

### SECTION 14: Transport information

14.1 - 14.4

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Not dangerous goods according to ADR, IATA and IMDG.

#### ADR/RID

Not applicable

#### ▼IMDG

Not applicable

#### MARINE POLLUTANT

No

#### ▼IATA

Not applicable

#### 14.5. Environmental hazards

Not applicable

#### 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

Restricted to professional users.

##### Demands for specific education

No specific requirements

##### SEVESO - Categories / dangerous substances

Not applicable

##### Additional information

Not applicable

##### Sources

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H318, Causes serious eye damage.

H400, Very toxic to aquatic life.

H412, Harmful to aquatic life with long lasting effects.

#### Abbreviations and acronyms

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

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  
UVCB = Complex hydrocarbon substance  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

Not applicable

#### The safety data sheet is validated by

MÅ

#### 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