

# SAFETY DATA SHEET

AGS 5 SR

Last changed: 04/10/2010

Replaces date: 31/03/2010

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**TRADE NAME** AGS 5 SR  
**APPLICATION AREA** Graffiti Remover

**Vendor art. number**  
3627

### NATIONAL MANUFACTURER/IMPORTER

**Enterprise** Trion Tensid AB  
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### CONTACT PERSONS

Name	E-mail	Telephone	Country
William Stomilovic	william.stomilovic@trion.se		

Emergency Phone	Type of assistance	Opening Hours
+46 70 60 462 94	William Stomilovic	

## 2. HAZARDS IDENTIFICATION

### HEALTH

R22 Harmful if swallowed. R37/38 Irritating to respiratory system and skin. R41 Risk of serious damage to eyes.

### FIRE AND EXPLOSION

Not flammable, but combustible.

### ENVIRONMENT

Readily biodegradable.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
2-butoxietanol		203-905-0	111-76-2	10 - 30 %	Xn,Xi,R20/21/22 - R36/38
Extracts, petroleum, middle distillate solvent		265-105-8	64742-06-9	< 10 %	Xn,R53 - R65 - R66
Ethylpyrrolidon -2-0n		220-250-6	2687-91-4	10 - 30 %	Xn,R22 - R41
caustic potash, potassium hydroxide		215-181-3	1310-58-3	< 2 %	C,R22 - R35
2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether		203-961-6	112-34-5	10 - 30 %	Xi,R36

Explanation of symbols: T+ =highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+ =Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

## 4. FIRST AID MEASURES

### GENERAL

Consult a physician for specific advice. Bring the safety data sheet.

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## INHALATION

Fresh air and rest.

## SKIN CONTACT

Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water.

## EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Consult an eye specialist if the irritation persists.

## INGESTION

Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. DO NOT induce vomiting. Get medical attention immediately.

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## 5. FIRE-FIGHTING MEASURES

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### EXTINGUISHING MEDIA

Extinguishing agent: carbon dioxide, powder or a wide water jet.

### IMPROPER EXTINGUISHING MEDIA

Do not use a direct water jet.

### EXTINGUISHING METHODS

Cool with a wide water jet. Cover over with dry sand.

### FIRE AND EXPLOSION HAZARDS

Not flammable, but can sustain combustion. The product may ignite when heated to temperatures at or above the flash point.

### PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Avoid breathing fire vapours.

### OTHER INFORMATION

Containers close to fire should be removed or cooled with water.

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## 6. ACCIDENTAL RELEASE MEASURES

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### PERSONAL PRECAUTIONS

Wear necessary protective equipment.

### SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Prevent discharge of larger quantity to drain. Collect in a suitable container approved for the purpose. Bank in and collect.

### METHODS FOR CLEANING UP

Absorb in inert material (vermiculite, dry sand or earth) and collect. Flush clean with lots of water. Be aware of potential for surfaces to become slippery.

### OTHER INFORMATION

Only major emissions may represent a risk.

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## 7. HANDLING AND STORAGE

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### HANDLING PRECAUTIONS

Keep away from sources of ignition. May attack some plastics, rubber and coatings.

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## HANDLING ADVICE

Avoid contact with the skin and eyes, and also contact with clothes. Store in original container to avoid contamination.

## STORAGE

Keep container tightly closed in a cool place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE CONTROL

Use suitable protective gloves and protective clothes if there is risk of direct contact or splashing.

### RESPIRATORY PROTECTION

Respiratory protection may be required.

### EYE PROTECTION

Use approved safety goggles or face shield.

### HAND PROTECTION

Use protective gloves that are resistant to chemicals. Protective gloves (butyl rubber, natural rubber, nitrile rubber).

### PROTECTIVE CLOTHING

Use suitable protective clothing, as necessary.

### OTHER INFORMATION

Isolate contaminated clothing and wash before reuse.

### OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
2-butoxietanol	111-76-2	15 min.	20	100	1993	H
2-butoxietanol	111-76-2	8 h	10	50	1993	H
caustic potash, potassium hydroxide	1310-58-3	8 h		2	2002	

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE** Liquid.

**COLOUR** Brownish.

**ODOUR** Weak odour of solvents.

**SOLUBILITY** Miscible with: Organic solvents. Miscible with water.

**WATER SOLUBILITY** 100%

**FAT SOLUBILITY** Not applicable.

### Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
pH in solution	~ 13.00		
Flash point	> 61.00 °C		
Density	950.00 kg/m <sup>3</sup>		

## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under recommended storage and handling conditions.

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### CONDITIONS TO AVOID

Keep away from sources of ignition.

### MATERIALS TO AVOID

Avoid contact with oxidisers or reducing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

No hazardous decomposition products.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXIC TEST RESULTS

2-butoxietanol				
Route of exposure	Exposure time	Value/unit	Species	Source
LD50(Dermal)		220.00 mg/kg	rabbit	
LD50(Dermal)		2270.00 mg/kg	rat	
LD50(Oral)		470.00 mg/kg	rat	

caustic potash, potassium hydroxide				
Route of exposure	Exposure time	Value/unit	Species	Source
LD50(Oral)		273.00 mg/kg	rat	

Ethylpyrrolidon -2-0n				
Route of exposure	Exposure time	Value/unit	Species	Source
LD50(Oral)		1350.00 mg/kg	rat	

### GENERAL

Preparation has low toxicity, therefore risk of damage is limited in normal handling.

### INHALATION

High concentrations may give rise to symptoms such as smarting, coughing, headache, nausea, dizziness and tiredness.

### SKIN CONTACT

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons.

### EYE CONTACT

May be highly irritating. Risk of serious permanent damage.

### INGESTION

Ingestion may cause nausea, vomiting, diarrhoea and respiratory difficulties.

## 12. ECOLOGICAL INFORMATION

### AQUATIC ECOTOXICITY

2-butoxietanol				
Test	Exposure time	Value/unit	Species	Source
LC50(Acute fish)		1300.00 mg/l	(Lepomis macrochirus)	
LC50(Acute Daphnia)	48h	835.00 mg/l	magna	
EC50(Acute fish)		3200.00 mg/l	(Acute immobilisation)	
IC50(Acute algae)	72h	> 286.00 mg/l	Pseudokirchneriella subcapitata	

Extracts, petroleum, middle distillate solvent				
Test	Exposure time	Value/unit	Species	Source
LC50(Acute Daphnia)	48h	> 3240.00 mg/l	Acartia tonsa	
EC50(Acute Daphnia)	72h	~ 51.00 mg/l	Skeletonema costatum	

### ECOTOXICITY

Low toxicity to aquatic organisms.

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## DEGRADABILITY

Readily biodegradable.

## ACCUMULATION

Bioaccumulation improbable.

## OTHER INFORMATION

The assessment is based on the properties of the components.

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## 13. DISPOSAL CONSIDERATIONS

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### GENERAL REGULATIONS

After dilution with water, small quantities are permitted to go to a water purification plant. Do not try to refill or clean the packaging. Emptied and cleaned packaging can be recycled or burnt.

### CATEGORY OF WASTE

Suitable classification of waste is the responsibility of the user. Empty packages must be handled in an environmentally-correct manner as per the applicable laws and regulations.

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## 14. TRANSPORT INFORMATION

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Classified as Dangerous Goods: No

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## 15. REGULATORY INFORMATION

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Harmful

EC-Label: No

### COMPOSITION

2-butoxietanol (10 - 30 %), Extracts, petroleum, middle distillate solvent (< 10 %), Ethylpyrrolidon -2-On (10 - 30 %), caustic potash, potassium hydroxide (< 2 %), 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (10 - 30 %)

#### R-PHRASES

R22	Harmful if swallowed.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.

#### S-PHRASES

S7	Keep container tightly closed.
S24/25	Avoid contact with skin and eyes.
S37/39	Wear suitable gloves and eye/face protection.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.

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## 16. OTHER INFORMATION

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### VENDOR NOTES

Assessed on the basis of available data.

### LIST OF RELEVANT R-PHRASES

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R35	Causes severe burns.
R36/38	Irritating to eyes and skin.
R41	Risk of serious damage to eyes.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

### REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.1	21/08/2009	WS	New database
1.0.2	06/04/2010	WS	Changed NMP to NEP p2
1.0.3	04/10/2010	WS	Changes has been made in section 2 and 3.