

MATERIAL SAFETY DATA SHEET

MSDS

Last changed: 2008-02-13

Internal no.:

Replaces date: 2006-04-21

AGS 560, GRAFFITI REMOVER FOR PLEXI GLASS

1. PRODUCT AND COMPANY



TRADE NAME	AGS 560, GRAFFITI REMOVER FOR PLEXIGLAS
GROUP NAME	AGS
ART-NO	3653
Producer	Trion Tensid AB
Address	Svederusgatan 1-3
Post Code & City	SE-75450 Uppsala, SWEDEN
Telephone	+46 18 156190
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Contact person	William Stomilovic
Responsible	Robert Ferm
Issued by	William Stomilovic

2. COMPOSITION OF PRODUCT



No	Ingredients name	CAS-NO	Conc.(weight%)	Rest-list	Classification
1	2-2(butoxyethoxy)ethanol	112-34-5	10-30%		Xi,36

Legend T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, IK=No classification required, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Very flammable, Fo=Flammable, N=Dang. to the environment, Mut=Genotoxic, Sens=Sensitizing, Carc=Carcergen, Repr=Causes birth defects

INGREDIENT COMMENTS

Other components are not classified and are therefore not in the MSDS.

3. HAZARD IDENTIFICATION



Irritating to eyes.

4. FIRST AID



GENERAL

Contact a physician if necessary and show this safety data sheet.

INHALATION

Provide fresh air, keep the patient warm and at rest. Normally low inhalation risk.

SKIN CONTACT

Wash with water and soap as a precaution.

EYE CONTACT

Flush immediately with a soft jet of lukewarm water, also under the eyelids. Get medical advice if irritation persists.

INGESTION

Give 1-2 glasses of water and induce vomiting if the patient is fully conscious. Get medical advice if large quantities have been consumed.

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5. FIRE FIGHTING MEASURES

PROPER FIRE FIGHTING EQUIPMENT

CO₂, dry chemical, water fog.

IMPROPER FIRE FIGHTING EQUIPMENT

Do not use water jet.

FIRE AND EXPLOSION HAZARDS

May ignite if heated over flash point.

PERSONAL PROTECTION WHEN FIRE FIGHTING

Appropriate respiratory protection is necessary.

OTHER INFORMATION

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

6. ACCIDENTAL RELEASE MEASURES

SAFETY MEASUREMENTS TO PROTECT PERSONS

Use personal protective equipment.

SAFETY MEASUREMENTS TO PROTECT ENVIRONMENT

Prevent product from entering drains. The preparation/substance will dissolve in water. The preparation/substance is biodegradable.

PROPER METHODS FOR DAMAGE LIMITATION AND CLEAN UP

If liquid has been spilled in large quantities clean up promptly by scoop or vacuum. Finish treatment of area with water.

7. HANDLING AND STORAGE

HANDLING

Keep away from ignition sources.

HANDLING ADVICE

Arrange working conditions to avoid prolonged contact.

STORAGE

Keep container tightly closed. Isolate from sources of heat, sparks and open flame.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

TWA value for 2-(2-butoxyethoxy)ethanol is 200 ml/min.

EXPOSURE CONTROL

Arrange working conditions and methods to avoid direct contact with the product. BE CAREFUL WITH SMOKING, FIRE, SPARKS AND WELDING.

RESP. PROTECTION

Use respiratory protection when handling the product in confined areas. Gas cartridge A (organic substances, brown). Always use a NIOSH-approved respirator.

EYE PROTECTION

Wear approved goggles or face shield.

HAND PROTECTION

Use ordinary rubber gloves, especially if repeated or prolonged skin contact is possible.

SKIN PROTECTION

Wear suitable protective clothing

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9. PHYSICAL AND CHEMICAL PROPERTIES



Form	Liquid.		
Colour	Light yellow.		
Odour	Solvent.		
Solubility	Miscible with most organic solvents. Partly miscible in water.		
Melting point/range	-65°C	Density	920 kg/m ³
Expl. limit LEL-UEL, %--%:		Solubility in water	Partly miscible.
Vapour pressure		Saturation conc.	
Decomposition temp.		Rel. density sat. air (air=1)	
pH Solution	Approx.7	Boiling point/range	>200°C
Flash point	>61°C	pH concentrate	
Molecular weight		Viscosity	
Ignition temp		Smelling limits lo-hi	
Rel. vapour density (air=1)		Rel. evap. velocity	
Air reactive		Water reactive	

10. STABILITY AND REACTIVITY



STABILITY

No particular stability concerns.

MATERIALS TO AVOID

Oxidising agent.

11. TOXICOLOGICAL INFORMATION



GENERAL

There is little health hazard associated with the normal use of this product.

INHALATION

Inhalation of high vapour concentrations may cause symptoms such as headache, dizziness, fatigue, nausea and vomiting.

SKIN CONTACT

Defats the skin.

EYE CONTACT

Splashes in the eyes will irritate, but will not harm eye tissue.

INGESTION

Ingestion may cause the same effects as inhalation.

12. ECOLOGICAL INFORMATION



MOBILITY

Emulsifies in water.

BREAKDOWN

Expected to be readily biodegradable.

ACCUMULATION

Does not bioaccumulate.

ECOTOXITY

No ecological effects are expected in normal use. LC 50/48h/fish = 2000 mg/L. EC 50 daphnia 24h = 3200 mg/L for 2-2(butoxyethoxy) ethanol.

OTHER INFORMATION

Information given is based on component data and the ecotoxicology of similar products.

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13. DISPOSAL



Comply with all local and national regulations. Larger quantities of spills/residues should be delivered to approved waste recipient or to recycling if such facilities exist.

14. TRANSPORT INFORMATION



The product is **not** regarded as dangerous goods according to ADR and IMDG.

15. REGULATORY INFORMATION



Classification



COMPOSITION

2-(butoxyethoxy) ethanol (10-30%)

R-PHRASES

R-36 Irritating to eyes.

S-PHRASES

S-2 Keep out of the reach of children. S-25 Avoid contact with eyes. S-39 Wear eye/face protection.

16. OTHER INFORMATION



ISSUED: 2008-02-13

VENDOR NOTES

Information in this document is to be made available for all that handle the product. Information in this safety data sheet is based on our present knowledge, and is intended to be a description of the health and safety aspects of the product. Information is based on our present knowledge and is therefore not a guarantee of specific properties.

Explanations to risk phrases in chapter 2.

R36 Irritating to eyes.