

SAFETY DATA SHEET

AGS 3550

Last changed: 09/05/2011

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

TRADE NAME AGS 3550
APPLICATION AREA Graffiti Protection

Vendor art. number
3550

NATIONAL MANUFACTURER/IMPORTER

Enterprise Trion Tensid AB
Address Svederusgatan 1-3
Postal code SE-754 50 Uppsala
Country Sweden
E-mail info@trion.se
Internet www.trion.se
Telephone +46 18 156190
Fax +46 18 696627

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

GENERAL

Risk of serious damage to eyes. Irritating to respiratory system. Highly flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HEALTH

Corrosive liquid. May cause chemical burns on the eyes. May be harmful by inhalation R21/22 Harmful in contact with skin and if swallowed.

FIRE AND EXPLOSION

Highly flammable

ENVIRONMENT

May be dangerous to the external environment. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
Cyclosilazanes			475645-84-2	60 - 100 %	C,F,R22 - R34
n-butyl acetate		204-658-1	123-86-4	< 20 %	R10 - R66 - R67
toluene		203-625-9	108-88-3	< 1,6 %	Xn,F,Repr. Cat. 3,R11 - R38 - R48/20 - R63 - R65 - R67
3-aminopropyltriethoxysilane		213-048-4	919-30-2	< 3,4 %	C,R22 - R34

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

SAFETY DATA SHEET

AGS 3550

Last changed: 09/05/2011

GENERAL

Move the exposed person to fresh air at once. In the event of breathing difficulties, administer breathing assistance and immediately consult a doctor. Show this safety data sheet, if possible.

INHALATION

Fresh air and rest. A small dose is not dangerous; in the event of exposure to larger doses, contact a doctor. Contact physician if symptoms appears. Show this safety data sheet, if possible.

SKIN CONTACT

Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water. Get medical attention if irritation persists after washing.

EYE CONTACT

Rinse the eye with water immediately. Get medical attention immediately. Continue to rinse.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguishing agent: carbon dioxide or powder. Foam.

IMPROPER EXTINGUISHING MEDIA

Do not use water.

EXTINGUISHING METHODS

Water should only be used by fireman. Fire causes formation of toxic gases.

FIRE AND EXPLOSION HAZARDS

Highly flammable. Fire causes formation of toxic gases.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Use supplied air respirator if substance is involved in a fire. Avoid breathing fire vapours. Firemen must wear closed-circuit breathing equipment and full protective suits.

OTHER INFORMATION

Fire residues and extinguishing water must be disposed of in accordance with local rules.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Avoid direct contact. Use mechanical ventilation in case of handling which causes formation of vapours. Provide good ventilation.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Must not be discharged into the sewage system. Absorb in vermiculite, dry sand or earth and place into containers.

METHODS FOR CLEANING UP

Absorb in inert material (vermiculite, dry sand or earth) and collect. Allow to evaporate. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7. HANDLING AND STORAGE

SAFETY DATA SHEET

AGS 3550

Last changed: 09/05/2011

HANDLING PRECAUTIONS

Used product must be handled with care, and skin contact avoided as far as possible. Highly flammable. The product is corrosive.

HANDLING ADVICE

No smoking and use of open fire. Provide adequate general and local exhaust ventilation. Use suitable protective gloves and protective clothes if there is risk of direct contact or splashing. Avoid heating. Keep container tightly closed. Keep out of the reach of children. Keep in a cool place.

STORAGE

Use a metal holder with a tight-fitting lid. This product is highly inflammable at high temperatures. Keep container tightly closed in a cool place.

OTHER INFORMATION

Ensure that air circulation is good in store and workplace. Do not try to refill or clean the packaging. Keep electric and thermal ignition sources away from the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL

Workplace and work methods are designed to prevent direct contact. Effective ventilation is presupposed or suitable respirator. Must not be handled in confined space without sufficient ventilation.

RESPIRATORY PROTECTION

Respirator with A filter (brown) or breathing apparatus.

EYE PROTECTION

Use tight-fitting protective goggles.

HAND PROTECTION

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

PROTECTIVE CLOTHING

Wear suitable protective clothing.

OTHER INFORMATION

Promptly remove non-impervious clothing that becomes wet or contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Very volatile liquid.

COLOUR Transparent.

ODOUR Ammonia.

SOLUBILITY Organic solvents.

WATER SOLUBILITY Insoluble in water.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Boiling point	98.00 - 110.00 °C		
Flash point	7.00 °C		
Auto-ignition temp.	435.00 °C		
Density	970.00 kg/m ³		

SAFETY DATA SHEET

AGS 3550

Last changed: 09/05/2011

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions. Store at temperatures below 25 °C.

CONDITIONS TO AVOID

Keep away from sources of ignition. Avoid high temperatures and direct sunlight. Avoid temperatures above 25 °C.

MATERIALS TO AVOID

May react with strongly oxidising substances. Reacts with water.

HAZARDOUS DECOMPOSITION PRODUCTS

Gases that are dangerous to health are formed in a fire.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXIC TEST RESULTS

Cyclosilazanes				
Route of exposure	Exposure time	Value/unit	Species	Source
LD50(Oral)		200.0000 - 2000.00 mg/kg	Rat	

INHALATION

A high concentration may cause symptoms such as coughing, headache, dizziness, nausea, vomiting and breathing difficulties.

SKIN CONTACT

Causes burns.

EYE CONTACT

May cause serious, possibly permanent, corrosion damage to the eyes.

INGESTION

Ingestion may cause serious corrosion damage, with burning pain, vomiting, stomach ache, possibly serious shock and kidney damage.

SENSITISATION

No known information.

12. ECOLOGICAL INFORMATION

ACUTE AQUATIC TEST RESULTS

May be harmful to aquatic organisms.

ECOTOXICITY

No information available

DEGRADABILITY

The product has not been tested.

13. DISPOSAL CONSIDERATIONS

GENERAL REGULATIONS

Liquid components can be disposed of by incineration. Unhardened product must be treated as dangerous waste. Dried products can be treated as normal industrial waste.

SAFETY DATA SHEET

AGS 3550

Last changed: 09/05/2011

CATEGORY OF WASTE

Suitable classification of waste is the responsibility of the user.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods: Yes

UN No.: 2924

TRADE NAME AND DESCRIPTION

Flammable liquid, corrosive, n.o.s. (Butyl acetates, Polysilazane)

ADR/RID

Class:	3(8)	Packing group:	II
Danger form:	3+8		
Hazard ID:	338		

highly flammable liquid, corrosive

IMDG

Class:	3	Packing group:	II
Sub Risk:	8	EMS:	F-E, S-C
Marine Pollutant:	NO		

IATA

Class:	3	Packing group:	II
Sub Risk:	8		
Label:	3+8		

15. REGULATORY INFORMATION



Highly flammable Corrosive

EC-Label: No

COMPOSITION

Cyclosilazanes (60 - 100 %), n-butyl acetate (< 20 %), toluene (< 1,6 %), 3-aminopropyltriethoxysilane (< 3,4 %)

R-PHRASES

R11	Highly flammable.
R22	Harmful if swallowed.
R34	Causes burns.

S-PHRASES

S2 Keep out of the reach of children.
S16 Keep away from sources of ignition - No smoking.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

OTHER LABELLING PHRASES

Only for professional use.

SAFETY DATA SHEET

AGS 3550

Last changed: 09/05/2011

16. OTHER INFORMATION

VENDOR NOTES

Assessed on the basis of available data.

LIST OF RELEVANT R-PHRASES

R11	Highly flammable.
R22	Harmful if swallowed.
R34	Causes burns.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.1	09/05/2011	WS	New data base