

MATERIAL SAFETY DATA SHEET

MSDS

Last changed: 2009-04-20

Internal no.:

Replaces date:

AGS 8 SK Graffiti remover

1. PRODUCT AND COMPANY



TRADE NAME	AGS 8 SK
GROUP NAME	AGS
ART-NO	3645
Producer/Importer	TRION TENSID AB
Address	Svederusgatan 1-3
Zipcode & City	754 50 UPPSALA, SWEDEN
Telephone	+46 18 15 61 90
Fax	+46 18 69 66 27
E-mail	info@trion.se
Contact person	William Stomilovic
Responsible	Robert Ferm
Issued by	William Stomilovic

2. HAZARD IDENTIFICATION



Harmful if swallowed. Irritating to respiratory organs and the skin. Risk of serious damage to eyes.

3. COMPOSITION OF PRODUCT



No	Ingredients name	CAS-NO	Conc.(weight%)	Rest-list	Classification
1	Hydrogen peroxide 35%	7722-84-1	60-100%		Xn,22-41,37/38
2	Nitric acid	7697-37-2	<1%		O,C; 8,35
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				

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.

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 or preferably milk to drink. DO NOT INDUCE VOMITING! Get medical advice immediately.

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5. FIRE FIGHTING MEASURES

PROPER FIRE FIGHTING EQUIPMENT

Use water fog.

IMPROPER FIRE FIGHTING EQUIPMENT

Do not use water jet, powder or foam.

FIRE AND EXPLOSION HAZARDS

Emits oxygen, and can cause fire or explosion in contact with organic substances (eg acetone, cellulose, ethanol, acetic acid). Decomposes very rapidly to oxygen and water upon contact with certain metals and their salts (eg iron, chromium, copper and lead). Risk of explosion in closed systems by rapid pressure increase. Clothing and shoes contaminated with product may ignite spontaneously.

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.

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.

GENERAL INFORMATION

Beware of slipping. Do not pour used product or collected spill back in original packaging as the product is unstable.

7. HANDLING AND STORAGE

HANDLING

Handle the product with care and avoid contamination. Use personal protection. Emergency shower and eye shower in the workplace.

HANDLING ADVICE

Arrange working conditions to avoid prolonged contact. Use original container.

STORAGE

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

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE CONTROL

Wear safety goggles, protective gloves and protective clothing if there is any risk of direct contact or splashes. Do not use clothing containing cotton. Immerse splashed clothes in a bath.

RESP. PROTECTION

Use respiratory protection when handling the product in confined areas. Gas cartridge B (grey).

EYE PROTECTION

Wear approved goggles.

HAND PROTECTION

Use protective gloves if there is a possibility of direct contact or splashes. Suitable glove material: Butyl rubber. Natural rubber (latex).

SKIN PROTECTION

Wear suitable protective clothing

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Gel.		
Colour	Whitish.		
Odour	Weak.		
Solubility	Completely soluble in water		
Melting point/range	-20°C	Density	1100 kg/m ³
Expl. limit LEL-UEL, %--%:		Solubility in water	100%
Vapour pressure		Saturation conc.	
Decomposition temp.		Rel. density sat. air (air=1)	
pH Solution		Boiling point/range	
Flash point	N/A	pH concentrate	Approx. 2
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

Stable when handled normally.

MATERIALS TO AVOID

Mixtures with organic composition may be explosive. Contact with paper, cloth, wood may cause ignition and fire.

OTHER INFORMATION

Decomposes to oxygene.

11. TOXICOLOGICAL INFORMATION

LD₅₀	LD50 (oral rat) 60 %- hydrogen peroxide	800 mg/kg
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INHALATION

Inhalation of high vapour concentrations may cause symptoms such as bronchitis, pulmonary oedema.

SKIN CONTACT

Whiteness of the skin.

EYE CONTACT

Splashes in the eyes will cause severe irritation.

INGESTION

Provides pain, abdominal pain and corrosion. Reduction of oxygen can cause bleeding, and provide internal damage with the risk of rupture of the stomach.

12. ECOLOGICAL INFORMATION

BREAKDOWN

Expected to be biodegradable.

ACCUMULATION

Does not bioaccumulate significantly.

ECOTOXITY

Low toxicity for water organisms.

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. Collect small quantities and destroy by incineration.

14. TRANSPORT INFORMATION



PROPER SHIPPING NAME	HYDROGEN PEROXIDE SOLUTION		
HAZCHEM			
ADR (Road)			
UN No.	2014	Dang. goods	Yes
Class	5.1	Label	5.1
Packing group	II		
Classification code			
Haz. id. no	58		
RID (Railway)			
UN No.	2014	Dang. goods	Yes
Class	5.1	Label	5.1
Haz.id.no	58		
IMDG (Sea)			
UN No.	2014	Dang. goods	Yes
Class	5.1	Label	5.1
Packaging group	II	EmS	F-H, S-Q
		Marine Pollutant	No
Sub. risk		Page	
IATA (Airplane)			
UN No.	2014	Dang. goods	Yes
Class	5.1	Label	5.1
Packaging group	II	Sub. risk	

15. REGULATORY INFORMATION



Classification



COMPOSITION

Hydrogen peroxide 35% (60-100%), Nitric acid (<1%).

R-PHRASES

R-22 Harmful if swallowed.

R-37/38 Irritating to respiratory organs and the skin.

R-41 Risk of serious damage to eyes.

S-PHRASES

S1/2 Keep locked and out of reach of children. S37/39 Use appropriate gloves and goggles. S24/25 Avoid contact with the skin and eyes. S26 In contact with the eyes, flush with water and seek medical advice.

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16. OTHER INFORMATION

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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.

R22 Harmful if swallowed.
R 37/38 Irritating to respiratory organs and the skin.
R 35 Causes severe burns.
R 41 Risk of serious damage to eyes.