

SAFETY DATA SHEET

AGS Graffiti Wipes

Last changed: 21/08/2009

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

TRADE NAME AGS Graffiti Wipes
APPLICATION AREA Graffiti Remover

Vendor art. number
3996

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

Protracted or repeated contact may irritate the skin. May be irritating to eyes.

FIRE AND EXPLOSION

The product is not flammable.

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	1 - 5 %	Xn,Xi,R20/21/22 - R36/38
gamma-Butyrolakton		202-509-5	96-48-0	5 - 9 %	Xn,R22 - R36
Trietanolamin			102-71-6	1 - 3 %	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.

INHALATION

Fresh air.

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SKIN CONTACT

Wash promptly with soap & water if skin becomes contaminated.

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! Consult a doctor if symptoms should occur.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguishing agent: carbon dioxide, powder or a wide 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. Use a fresh-air mask.

OTHER INFORMATION

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

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

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

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.

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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

No special precautions required.

EYE PROTECTION

Protective goggles are recommended.

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.

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
Trietanolamin	102-71-6	15 min.		10	0	
Trietanolamin	102-71-6	8 h		5	0	

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Wipes

COLOUR Colourless.

ODOUR Weak odour.

FAT SOLUBILITY Not applicable.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
Flash point	97.00 °C		

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

Keep away from sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS

Incomplete combustion/thermal decomposition will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide.

11. TOXICOLOGICAL INFORMATION

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ACUTE TOXIC TEST RESULTS

gamma-Butyrolakton				
Route of exposure	Exposure time	Value/unit	Species	Source
LD50(Oral)		800.0000 - 1600.00 mg/kg	rat	

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	

Trietanolamin				
Route of exposure	Exposure time	Value/unit	Species	Source
LD50(Oral)		8.57 mg/kg		

GENERAL

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

INHALATION

Inhalation may cause slight irritation.

SKIN CONTACT

Prolonged or repeated contact leads to drying of skin.

EYE CONTACT

May cause temporary problems such as smarting, pains and redness.

INGESTION

Ingestion may cause nausea, vomiting and diarrhoea.

12. ECOLOGICAL INFORMATION

AQUATIC ECOTOXICITY

gamma-Butyrolakton				
Test	Exposure time	Value/unit	Species	Source
EC50(Acute Daphnia)	48h	> 500.00 mg/l		
IC50(Acute algae)	72h	79.00 mg/l		

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

Trietanolamin				
Test	Exposure time	Value/unit	Species	Source
LC50(Acute fish)	24h	> 5000.00 mg/l		
EC50(Acute Daphnia)	48h	> 2500.00 mg/l		

ECOTOXICITY

Low toxicity to aquatic organisms.

DEGRADABILITY

Readily biodegradable.

ACCUMULATION

Bioaccumulation improbable.

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OTHER EFFECTS

Low toxicity to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods: No

15. REGULATORY INFORMATION

EC-Label: No

COMPOSITION

2-butoxietanol (1 - 5 %), gamma-Butyrolakton (5 - 9 %), Trietanolamin (1 - 3 %)

S-PHRASES

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash with plenty of water.

S37 Wear suitable gloves.

16. OTHER INFORMATION

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.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.1	21/08/2009	WS	New database

OTHER INFORMATION

Contact the manufacturer.