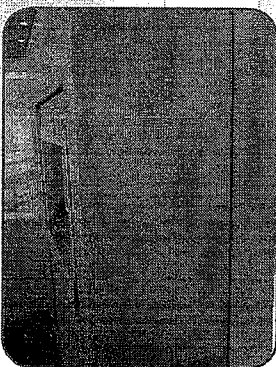
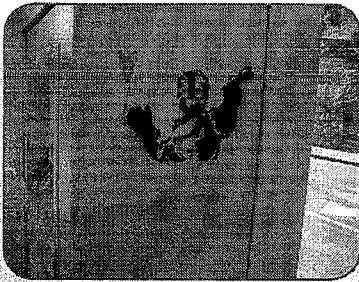




AGS 221 GEL

מס' פריט: 3625

מסיר גרפיטי ממשטחים צבועים



AGS 221 GEL הוא ג'ל מסיר גרפיטי, ידידותי למשתמש ומתכלה מיד, המיועד למשטחים תעשייתיים צבועים עם פני שטח חלקים, כגון קרונות רכבת, מגלשות ילדים, אוטובוסים, מכוניות, בניינים מצופים יריעות מתכת ומבנים חלקים. ניתן להשתמש בחומר גם על גבי משטחים נקבוביים.

אופן השימוש:

משטחים צבועים: מרח שכבה עבה של החומר על הגרפיטי באמצעות מברשת, המתן מספר דקות ושטוף במים (עדיף חמים) בלחץ נמוך. יש לחזור על התהליך במידת הצורך.

משטחים נקבוביים: מרח שכבה עבה של החומר על הגרפיטי באמצעות מברשת, המתן 5-30 דקות עד שהחומר יחדור וימיס את הגרפיטי. שטוף בלחץ גבוה במים חמים.

הערה: במקרה של משטחי מתכת, נקה את החומר באמצעות ספוג ושטוף במים חמים, כדי למנוע השפעה שלילית על המשטח.

מינון:

אין לדלל.

נושר כיסוי:

1.0 - 0.3 ליטר למ"ר

אזהרות:

- השתמש בכפפות ומשקפי מגן.
- הרחק מהישג ידם של ילדים.
- לא למאכל.
- במקרה של בליעה בטעות, יש לשתות מיד כמות גדולה של מים ולפנות לבית-החולים.
- במקרה של של התזה לעין או על העור, יש לשטוף היטב במים זורמים ולפנות לרופא.
- למידע נוסף עיין ב MSDS.

מכיל:

Gamma-Butyrolacton, 2-Butoxiethanol, Triethanolamine

סימון:

אינו מסווג/מסומן.

הערות:

לפני יישום על המשטח, יש לנסות את החומר בפינה נסתרת. כאשר החומר מתייבש על המשטח, הוא מאבד את יעילותו.



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המידע שלעיל מיועד לשמש מדריך למשתמש במוצר זה. חברת TRION TENSID AB אינה יכולה לתת ערבויות כלשהן באשר לתוצאה הסופית. מיישם המוצר יבצע בדיקה ויהיה אחראי לתוצאות.

SAFETY DATA SHEET

AGS 221 GEL

Last changed: 10/03/2011

Replaces date: 08/06/2009

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

TRADE NAME AGS 221 GEL
APPLICATION AREA Graffiti Remover

Vendor art. number

3625

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

HEALTH

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

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! 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

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator with A filter (brown).

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/m ³	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	Gelatinous.
COLOUR	Yellowish.
ODOUR	Weak odour.
SOLUBILITY	Miscible with: Organic solvents.
WATER SOLUBILITY	~50 %
FAT SOLUBILITY	Not applicable.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
pH in solution	~ 8.00		
Flash point	97.00 °C		
Density	1050.00 kg/m ³		
Viscosity	43000.00 cSt		
VOC	1,2%		

10. STABILITY AND REACTIVITY

STABILITY

Partially soluble in water. Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

Keep away from sources of ignition.

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MATERIALS TO AVOID

Reacts with strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS

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

11. TOXICOLOGICAL INFORMATION

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 of high concentrations may cause coughing and irritation in the nose and throat.

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		

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ECOTOXICITY

Low toxicity to aquatic organisms.

DEGRADABILITY

Readily biodegradable.

ACCUMULATION

Bioaccumulation improbable.

OTHER EFFECTS

Low toxicity to aquatic organisms.

OTHER INFORMATION

The German Water hazard classes (WGK 1)

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

S37/39 Wear suitable gloves and eye/face protection.

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.

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.

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REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.1	08/06/2009	WS	New database
1.0.2	10/03/2011	WS	Changes in section 9.

OTHER INFORMATION

Contact the manufacturer.