



## SAFETY DATA SHEET

### Flameguard Ultra Vinyl Matt WHITE

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

PRODUCT NAME	Flameguard Ultra Vinyl Matt WHITE
PRODUCT NO.	BM0630002
SUPPLIER	Bollom Fire Protection Portobello Industrial Estate Birtley County Durham DH3 2RE +44 191 4106611 +44 191 4920125 enquiries@tor-coatings.com
CONTACT PERSON	ian.mccormack@tor-coatings.com
EMERGENCY TELEPHONE	+44(0)1865 407333 (NCEC)

#### 2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45)	Not classified.	
CLASSIFICATION (EC 1272/2008)	Physical and Chemical Hazards	Not classified.
	Human health	Not classified.
	Environment	Not classified.

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008  
Not classified.

#### ENVIRONMENT

The product is not expected to be hazardous to the environment.

#### HUMAN HEALTH

Prolonged contact may cause redness, irritation and dry skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

MonoPropylene Glycol		1.0-2.5%
CAS-No.: 57-55-6	EC No.: 200-338-0	Registration Number: 01-2119456809-23-xxxx
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
Distillates (Petroleum), Solvent Dewaxed Heavy Paraffinic		< 1%
CAS-No.: 64742-65-0	EC No.: 265-169-7	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
AMMONIA ...%		< 1%
CAS-No.: 1336-21-6	EC No.: 215-647-6	
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT Single 3 - H335 Aquatic Acute 1 - H400	Classification (67/548/EEC) C;R34 N;R50	

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PROPAN-2-OL		< 1%
CAS-No.: 67-63-0	EC No.: 200-661-7	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67	
ETHANEDIOL		< 1%
CAS-No.: 107-21-1	EC No.: 203-473-3	
Classification (EC 1272/2008) Acute Tox. 4 - H302	Classification (67/548/EEC) Xn;R22	
2-AMINOETHANOL		< 1%
CAS-No.: 141-43-5	EC No.: 205-483-3	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 STOT Single 3 - H335	Classification (67/548/EEC) C;R34 Xn;R20/21/22	

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

#### INHALATION

Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

#### INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

#### SKIN CONTACT

Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

#### ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

#### SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

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### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-AMINOETHANOL		1 ppm(Sk)	2.5 mg/m3(Sk)	3 ppm(Sk)	7.6 mg/m3(Sk)	
AMMONIA ...%	WEL	25 ppm	18 mg/m3	35 ppm	25 mg/m3	
Distillates (Petroleum), Solvent Dewaxed Heavy Paraffinic	OEL		5 mg/m3			
ETHANEDIOL	WEL		52 mg/m3(Sk)		104 mg/m3(Sk)	
MonoPropylene Glycol	WEL	150 ppm	474 mg/m3			
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	

WEL = Workplace Exposure Limit.

mg/m3(Sk)

OEL = Occupational Exposure Limit.

#### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

#### PROTECTIVE EQUIPMENT



#### PROCESS CONDITIONS

Provide eyewash station.

#### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

#### RESPIRATORY EQUIPMENT

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

#### HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash.

#### EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

#### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

#### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	White.
ODOUR	Mild.
SOLUBILITY	Miscible with water
RELATIVE DENSITY	1.46 Approx. @20°C.
VAPOUR DENSITY (air=1)	Heavier than air
VOLATILE ORGANIC COMPOUND (VOC)	Cat A/i : < 140 g/l (EU Limit 140 g/l)

### 10 STABILITY AND REACTIVITY

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### STABILITY

No particular stability concerns.

### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## 11 TOXICOLOGICAL INFORMATION

### GENERAL INFORMATION

Not regarded as a health hazard under current legislation.

Name	AMMONIA ...%
Toxic Dose 1 - LD 50	350 mg/kg (oral rat)
Toxic Conc. - LC 50	2 mg/l/4h (inh-rat)
Name	PROPAN-2-OL
Toxic Dose 1 - LD 50	4700 - 5500 mg/kg (oral rat)
Toxic Conc. - LC 50	47 - 73 mg/l/4h (inh-rat)
Name	ETHANEDIOL
Toxic Dose 1 - LD 50	4700 mg/kg (oral rat)
Name	2-AMINOETHANOL
Toxic Dose 1 - LD 50	1720 mg/kg (oral rat)
Name	MonoPropylene Glycol
Toxic Dose 1 - LD 50	>2000 mg/kg (oral rat)
Name	Distillates (Petroleum), Solvent Dewaxed Heavy Paraffinic

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product is not expected to be hazardous to the environment.

Name	AMMONIA ...%
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#### Ecotoxicity

Very toxic to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l	15
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EC 50, 48 Hrs, Daphnia, mg/l	89
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#### Mobility

The product is water soluble and may spread in water systems.

#### Bioaccumulative potential

This material is not expected to significantly bioaccumulate.

#### Degradability

The product is biodegradable.

Name	PROPAN-2-OL
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LC 50, 96 Hrs, Fish mg/l	9600
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EC 50, 48 Hrs, Daphnia, mg/l	4600
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Name	ETHANEDIOL
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LC 50, 96 Hrs, Fish mg/l	>100
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Name	2-AMINOETHANOL
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#### Ecotoxicity

The product contains a substance which is harmful to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l	170 - 227
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EC 50, 48 Hrs, Daphnia, mg/l	65
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IC 50, 72 Hrs, Algae, mg/l	15
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#### Bioaccumulative potential

This material is not expected to significantly bioaccumulate.

#### Degradability

The product is easily biodegradable. The product is degraded completely by photochemical oxidation.

Name	MonoPropylene Glycol
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Partition Coefficient ( $\frac{1}{\text{Octanol}}$ / $\frac{1}{\text{Water}}$ )	0.92 (water/Octanol)
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LC 50, 96 Hrs, Fish mg/l	40613
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EC 50, 48 Hrs, Daphnia, mg/l	>100
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Name	Distillates (Petroleum), Solvent Dewaxed Heavy Paraffinic
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### 13 DISPOSAL CONSIDERATIONS

#### GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

#### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

### 14 TRANSPORT INFORMATION

#### GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

#### ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT

No.

### 15 REGULATORY INFORMATION

#### EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

#### APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

### 16 OTHER INFORMATION

#### INFORMATION SOURCES

Croner's Emergency Spillage Guide Croner's Emergency First Aid Guide Croner's Substances Hazardous to Health

#### REVISION COMMENTS

This is first issue.

#### ISSUED BY

D Charles

REVISION DATE 02/12/2004

REV. NO./REPL. SDS GENERATED 1

SDS NO. 18094

#### SAFETY DATA SHEET STATUS

Approved.

DATE 29/05/2012

#### RISK PHRASES IN FULL

R34	Causes burns.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R11	Highly flammable
R36	Irritating to eyes.
R37	Irritating to respiratory system.
NC	Not classified.
R67	Vapours may cause drowsiness and dizziness.
R50	Very toxic to aquatic organisms.

#### HAZARD STATEMENTS IN FULL

H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

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### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.