



## SAFETY DATA SHEET

### Intulac™ Ultra Topcoat

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

PRODUCT NAME	Intulac™ Ultra Topcoat
PRODUCT NO.	BM0650001 & BM0650002
SYNONYMS, TRADE NAMES	BM0650001 - MATT, BM0650002 - SATIN
SUPPLIER	Bollom Fire Protection Portobello Industrial Estate Birtley County Durham DH3 2RE +44 191 4106611 +44 191 4920125 enquiries@tor-coatings.com
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EMERGENCY TELEPHONE	+44(0)1865 407333 (NCEC)

#### 2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Xi;R37. N;R51/53. R10, R66, R67.

CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 3 - H226
Human health	EUH066;STOT Single 3 - H335, H336
Environment	Aquatic Chronic 2 - H411

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Warning

HAZARD STATEMENTS

H226	Flammable liquid and vapour.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container to recognised waste collection point.

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P403+233	Store in a well-ventilated place. Keep container tightly closed.

## Intulac™ Ultra Topcoat

Supplemental Label Information (EU)

EUH066

Repeated exposure may cause skin dryness or cracking.

### ENVIRONMENT

The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12.

### PHYSICAL AND CHEMICAL HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

### HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Risk of serious damage to eyes. Vapours/aerosol spray may irritate the respiratory system. Repeated exposure may cause skin dryness or cracking. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Hydrocarbons, C9, Aromatics	25-50%
CAS-No.: 64742-95-6	EC No.: 918-668-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.
TOLUENE	< 1%
CAS-No.: 108-88-3	EC No.: 203-625-9
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT Single 3 - H336 STOT Rep. 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC) F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67
Silicon Dioxide	< 1%
CAS-No.: 14808-60-7	EC No.: 238-878-4
Classification (EC 1272/2008) Acute Tox. 4 - H332	Classification (67/548/EEC) T;R48. Xn;R20.

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

**Intulac™ Ultra Topcoat****EXTINGUISHING MEDIA**

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

**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**

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.

**STORAGE PRECAUTIONS**

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

**STORAGE CLASS**

Flammable liquid storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
TOLUENE		50 ppm(Sk)	191 mg/m3(Sk)	100 ppm(Sk)	384 mg/m3(Sk)	

mg/m3(Sk)

**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. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

**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.

## Intulac™ Ultra Topcoat

### 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	Colourless.
ODOUR	Characteristic.
SOLUBILITY	Immiscible with water
RELATIVE DENSITY	1.01 - 1.03 Approx. depending on sheen level. @20°C.
VAPOUR DENSITY (air=1)	Heavier than air
FLASH POINT (°C)	-5°C. CC (Closed cup).
FLAMMABILITY LIMIT - LOWER(%)	0.7
FLAMMABILITY LIMIT - UPPER(%)	20.0
VOLATILE ORGANIC COMPOUND (VOC)	47.88% ; Cat A/i : <500 g/l (EU Limit 500 g/l)

## 10 STABILITY AND REACTIVITY

### STABILITY

No particular stability concerns.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

### HAZARDOUS DECOMPOSITION PRODUCTS

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

## 11 TOXICOLOGICAL INFORMATION

### GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

### INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Gas or vapour is harmful on prolonged exposure or in high concentrations.

### INGESTION

Gastrointestinal symptoms, including upset stomach. Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

### SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin. May be absorbed through the skin.

### EYE CONTACT

Irritation of eyes and mucous membranes.

Name	TOLUENE
Toxic Dose 1 - LD 50	5000 mg/kg (oral rat)
Toxic Conc. - LC 50	5320 mg/l ( mouse, 4hrs)
Other Health Effects	
Toxic to Reproductive Health Category 3.	

Name	Hydrocarbons, C9, Aromatics
Toxic Dose 1 - LD 50	3592 mg/kg (oral rat)
Toxic Dose 2 - LD 50	3160 mg/kg (oral-rbt)
Toxic Conc. - LC 50	6.193 mg/l/4h (inh-rat)

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

## Intulac™ Ultra Topcoat

Name TOLUENE

Partition Coefficient 2.65

### Ecotoxicity

Hazardous for water. Danger to drinking water if even small quantities leak into soil. The product must not be allowed to enter drains or water courses. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

LC 50, 96 Hrs, Fish mg/l 34

### Mobility

Water: Insoluble, the product will spread over the surface and rapidly evaporate. Soil: The product has only slight mobility in the soil and will partially evaporate

### Bioaccumulative potential

Likely to bio-accumulate, but with short retention of the order of a week or less.

### Degradability

The product is readily biodegradable.

Name Hydrocarbons, C9, Aromatics

### Ecotoxicity

Expected to be toxic to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l 9.2

EC 50, 48 Hrs, Daphnia, mg/l 3.2

IC 50, 72 Hrs, Algae, mg/l 2.9

### Mobility

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

### Bioaccumulative potential

No data available on bioaccumulation.

### Degradability

The product is expected to be biodegradable.

## 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. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

## 14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	PAINT (Hydrocarbons, C9, Aromatics)
UN NO. ROAD	1263
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III
TUNNEL RESTRICTION CODE	(D/E)
HAZARD No. (ADR)	33
ADR LABEL NO.	3
HAZCHEM CODE	•3YE
UN NO. SEA	1263
IMDG CLASS	3
IMDG PACK GR.	III
EMS	F-E, S-E
UN NO. AIR	1263
AIR CLASS	3
AIR PACK GR.	III

## 15 REGULATORY INFORMATION

## Intulac™ Ultra Topcoat

### 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

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### SAFETY DATA SHEET STATUS

Approved.

DATE 17/04/2012

### RISK PHRASES IN FULL

R48 Danger of serious damage to health by prolonged exposure.  
R10 Flammable.  
R20 Harmful by inhalation.  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R65 Harmful: may cause lung damage if swallowed.  
R11 Highly flammable  
R37 Irritating to respiratory system.  
R38 Irritating to skin.  
R63 Possible risk of harm to the unborn child.  
R66 Repeated exposure may cause skin dryness or cracking.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R67 Vapours may cause drowsiness and dizziness.

### HAZARD STATEMENTS IN FULL

H315 Causes skin irritation.  
H226 Flammable liquid and vapour.  
H332 Harmful if inhaled.  
H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.  
H336 May cause drowsiness or dizziness.  
H335 May cause respiratory irritation.  
EUH066 Repeated exposure may cause skin dryness or cracking.  
H361d Suspected of damaging the unborn child.  
H411 Toxic to aquatic life with long lasting effects.

### 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.