



## SAFETY DATA SHEET BROSTEEL ULTRA 60

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

PRODUCT NAME	BROSTEEL ULTRA 60
PRODUCT NO.	BM0100006
APPLICATION	Intended for use as a brush, roller, applied coating for professional use
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)	R52/53.	
CLASSIFICATION (EC 1272/2008)	Physical and Chemical Hazards	Not classified.
	Human health	Not classified.
	Environment	Aquatic Chronic 3 - H412
LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008	Not classified.	
HAZARD STATEMENTS	H412	Harmful to aquatic life with long lasting effects.
PRECAUTIONARY STATEMENTS	P233	Keep container tightly closed.
	P260f	Do not breathe spray.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P271	Use only outdoors or in a well-ventilated area.
	P285	In case of inadequate ventilation wear respiratory protection.
	P302+350	IF ON SKIN: Gently wash with plenty of soap and water.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P501	Dispose of contents/container to ...
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P273	Avoid release to the environment.

#### 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.

#### 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

**BROSTEEL ULTRA 60**

Naptha (Petroleum) Hydrodesulphurized Heavy		1.0-2.5%
CAS-No.: 64742-82-1	EC No.: 265-185-4	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R10,R66,R67.	
ZINC OXIDE		< 1%
CAS-No.: 1314-13-2	EC No.: 215-222-5	
Classification (EC 1272/2008) Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) N;R50/53	

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**

In case of inhalation of spray mist: Move person into fresh air and keep at rest. If breathing stops, provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.

**INGESTION**

Get medical attention. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

**SKIN CONTACT**

Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off immediately with plenty of soap and 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. Continue to rinse for at least 15 minutes and get medical attention. 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. 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.

**SPECIFIC HAZARDS**

The product is non-combustible. If heated, harmful vapours may be formed.

**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**

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

**SPILL CLEAN UP METHODS**

Dam and absorb spillages with sand, earth or other non-combustible material. Collect in containers and seal securely. Clean with a detergent. Avoid the use of solvents.

**7 HANDLING AND STORAGE**

## BROSTEEL ULTRA 60

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Container must be kept tightly closed.

### STORAGE PRECAUTIONS

Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
Naptha (Petroleum) Hydrodesulphurized Heavy	WEL	600 mg/m <sup>3</sup>		

WEL = Workplace 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.

### 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 suitable protective clothing as protection against splashing or contamination.

### 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 / off-white.
ODOUR	Odourless.
SOLUBILITY	Slightly soluble in water.
BOILING POINT (°C)	100@ 760mmHg
MELTING POINT (°C)	<0
RELATIVE DENSITY	1.3 - 1.5 g/ml @25°C.
VAPOUR DENSITY (air=1)	Heavier than air
VAPOUR PRESSURE	2.4 kPa @20°C.
pH-VALUE, DILUTED SOLUTION	8.0 - 9.5
VISCOSITY	75 - 110 Poise @20°C.
FLASH POINT (°C)	N/A
FLAMMABILITY LIMIT - LOWER(%)	N/A
FLAMMABILITY LIMIT - UPPER(%)	N/A
VOLATILE ORGANIC COMPOUND (VOC)	21 g/l

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

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

**BROSTEEL ULTRA 60****11 TOXICOLOGICAL INFORMATION**

## TOXICOLOGICAL INFORMATION

No information available.

## GENERAL INFORMATION

No specific health warnings noted.

## SKIN CONTACT

Prolonged contact may cause redness and irritation.

## EYE CONTACT

Slightly irritating.

Name	ZINC OXIDE
Toxic Dose 1 - LD 50	>15000 mg/kg (oral rat)
Toxic Dose 2 - LD 50	7950 mg/kg (oral-mouse)
Toxic Conc. - LC 50	>5.7 mg/l/4h (inh-rat)
Name	Naptha (Petroleum) Hydrodesulphurized Heavy
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)
Name	Octylphenoxypolyethoxyethanol
Toxic Dose 1 - LD 50	2800 - 4190 mg/kg (oral rat)
Name	Boric acid
Toxic Dose 1 - LD 50	3500 - 4100 mg/kg (oral rat)

Other Health Effects

May cause skin and eye irritation. May irritate the respiratory system.

**12 ECOLOGICAL INFORMATION**

## ECOTOXICITY

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

Name	ZINC OXIDE
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## Ecotoxicity

The product must not be allowed to enter drains or water courses.

IC 50, 72 Hrs, Algae, mg/l	170
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Name	Naptha (Petroleum) Hydrodesulphurized Heavy
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LC 50, 96 Hrs, Fish mg/l	10
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## 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	Octylphenoxypolyethoxyethanol
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LC 50, 96 Hrs, Fish mg/l	4 - 8.9
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EC 50, 48 Hrs, Daphnia, mg/l	18 - 26
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## Degradability

The product is >60% biodegradable.

Name	Boric acid
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## Ecotoxicity

Not regarded as dangerous for the environment.

LC 50, 96 Hrs, Fish mg/l	133
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## Mobility

The product is soluble in water.

**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.

## WASTE CLASS

EWC Code : 08 01 20

**BROSTEEL ULTRA 60****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

Amended in line with HSE requirements.

## ISSUED BY

D Charles

REVISION DATE 25/07/2012

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## SAFETY DATA SHEET STATUS

Approved.

DATE 26/07/2012

## RISK PHRASES IN FULL

R10	Flammable.
R65	Harmful: may cause lung damage if swallowed.
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.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## HAZARD STATEMENTS IN FULL

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

## 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.