



*J. McRatcliffe*



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**SAFETY DATA SHEET**  
**SATIN BLACK/HEAT RESISTANT BLACK**

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

PRODUCT NAME SATIN BLACK/HEAT RESISTANT BLACK  
 PRODUCT NO. BF0520003  
 APPLICATION Intended for use as a brush, roller, spray applied solvent-borne, decorative, coating for various substrates.  
 SUPPLIER Blackfriar Paints Ltd  
 Portobello Industrial Estate  
 Birtley  
 County Durham  
 DH3 2RE  
 +44(0)191 4106611  
 +44(0)191 4113147  
 blackfriar@tor-coatings.com  
 CONTACT PERSON ian.mccormack@tor-coatings.com

**2 HAZARDS IDENTIFICATION**

Flammable. Vapours may cause drowsiness and dizziness. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION R10, R52/53, R67.

**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**

Name	EC No.	CAS-No.	Content	Classification
Naptha (Petroleum) Hydrotreated Heavy	265-150-3	64742-48-9	30-60%	Xn;R65. R10,R67,R52.
Calcium Carbonate		1317-65-3	10-30%	-
White Spirit	265-185-4	64742-82-1	1-5%	Xn;R65. N;R51/53. R10,R66.
Carbon Black	215-609-9	1333-86-4	1-5%	-
XYLENE	215-535-7	1330-20-7	1-5%	R10 Xn;R20/21 Xi;R38
ETHYLBENZENE	202-849-4	100-41-4	< 1%	F;R11 Xn;R20
ISO-BUTANOL	201-148-0	78-83-1	< 1%	R10 Xi;R37/38,R41 R67
ETHYL METHYL KETOXIME	202-496-6	96-29-7	< 1%	Carc3;R40 Xn;R21 R43 Xi;R41
Cobalt Carboxylate	237-015-9	13586-82-8	< 1%	Xn;R22. Xi;R38. N;R51/53. R43.

The Full Text for all R-Phrases are 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.

## SATIN BLACK/HEAT RESISTANT BLACK

### INHALATION

Place unconscious person on the side in the recovery position and ensure breathing. 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 take 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

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

**SATIN BLACK/HEAT RESISTANT BLACK**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
Calcium Carbonate			10 mg/m3			
Carbon Black	OES				3.5 mg/m3	
ETHYLBENZENE	WEL	100 ppm(Sk )	441 mg/m3( Sk)	125 ppm(Sk )	552 mg/m3( Sk)	
ISO-BUTANOL	WEL	50 ppm	154 mg/m3	75 ppm	231 mg/m3	
Naptha (Petroleum) Hydrotreated Heavy	OES		1000 mg/m3			
White Spirit	OES		600 mg/m3			
XYLENE	WEL	50 ppm(Sk)	220 mg/m3( Sk)	100 ppm(Sk )	441 mg/m3( Sk)	

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 workplace exposure limit is not exceeded. All handling to take place in well-ventilated area.

**RESPIRATORY EQUIPMENT**

Provide adequate ventilation. Observe Workplace 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.

**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	Black		
ODOUR	Characteristic Hydrocarbon		
SOLUBILITY	Immiscible with water		
RELATIVE DENSITY	1.06 approx 20	VAPOUR DENSITY (air=1)	Heavier than air
FLASH POINT (°C)	42 CC (Closed cup).	FLAMMABILITY LIMIT - LOWER(%)	0.7
FLAMMABILITY LIMIT - UPPER(%)	12.0		

**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.

## SATIN BLACK/HEAT RESISTANT BLACK

### 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	White Spirit
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)
Name	Carbon Black
Toxic Dose 1 - LD 50	>8000 mg/kg (oral rat)
Name	Naptha (Petroleum) Hydrotreated Heavy
Toxic Dose 1 - LD 50	5000 mg/kg (oral rat)
Name	C.I.Pigment Black 7
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

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

Name	White Spirit
LC 50, 96 Hrs, FISH mg/l	10

#### Mobility

The product is immiscible with water and will spread on the water surface.

#### Bioaccumulation potential

The product contains potentially bioaccumulating substances.

Name	Carbon Black
LC 50, 96 Hrs, FISH mg/l	>1000

EC 50, 48 Hrs, DAPHNIA, mg/l

>5600

IC 50, 72 Hrs, ALGAE, mg/l

>10,000

Name Naptha (Petroleum) Hydrotreated Heavy

LC 50, 96 Hrs, FISH mg/l 100

#### Mobility

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

#### Degradability

The product is biodegradable.

#### Acute Fish Toxicity

Not considered toxic to fish.

Name C.I.Pigment Black 7

## 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, dispose in licensed hazardous waste.

### SATIN BLACK/HEAT RESISTANT BLACK

#### 14 TRANSPORT INFORMATION

GENERAL In pack sizes less than 450 litres, under the terms of 2.2.3.1.5, this product is not subject to the provisions of ADR



UK ROAD CLASS	3		
PROPER SHIPPING NAME	PAINT		
UN NO. ROAD	1263	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(D/E)
HAZARD No. (ADR)	30	ADR LABEL NO.	3
HAZCHEM CODE	3YE	CEPIC TEC(R) NO.	30GF1-III, 30GF1-sp
RID CLASS NO.	3	RID PACK GROUP	III
UN NO. SEA	1263	IMDG CLASS	3
IMDG PAGE NO.	3	IMDG PACK GR.	III
EMS	F-E, S-E	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1263
AIR CLASS	3	AIR PACK GR.	III

#### 15 REGULATORY INFORMATION

##### RISK PHRASES

R10	Flammable.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

##### SAFETY PHRASES

S2	Keep out of the reach of children
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S56	Dispose of this material and its container to hazardous or special waste collection point.
P14	Contains Cobalt Carboxylate,ETHYL METHYL KETOXIME. May produce an allergic reaction.

##### 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

Modified formulation. Format of Material Safety Data Sheet altered in accordance with the requirements of REACH Regulations

##### ISSUED BY

T Smith

### SATIN BLACK/HEAT RESISTANT BLACK

REVISION DATE 17/02/2009

REV. NO./REPL. SDS GENERATED 2

SDS NO. 14582

#### SAFETY DATA SHEET STATUS

Approved.

#### RISK PHRASES IN FULL

NC	Not classified.
R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52	Harmful to aquatic organisms.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

#### 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.