REVISION DATE: 28th April 2008

CARBON BLACK MSDS
Carbon Black

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

PRODUCT NAME	Carbon Black
SYNONYMS, TRADE NAMES	Unithermal MT N-991, Monarch 800, Unithermal MT N-990
SUPPLIER	Abbey Chemicals 27-30 North River Road Great Yarmouth Norfolk NR30 1SH Tel: +44 1493 850303 Fax: +44 1493 330909 www.abbey-chemicals.co.uk
SDS No.	CU106
Emergency Contact Number (Office Hours)	+441493 850303

2 HAZARDS IDENTIFICATION

CLASSIFICATION	-

3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No.	215-609-9
CAS-No.	1333-86-4

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues. Drink plenty of water. Do not induce vomiting. Never give liquid to an unconscious person.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

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. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. 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

Water spray should be used to cool containers.

UNUSUAL FIRE & EXPLOSION HAZARDS

Dust may form explosive mixture with air. Avoid heat, flames and other sources of ignition.

SPECIFIC HAZARDS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). Sulphurous gases (SOx).

REVISION DATE: 28th April 2008

Carbon Black

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. Avoid inhalation of dust. Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses.

SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Static electricity and formation of sparks must be prevented.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges. Store away from Oxidising material. Keep away from food, drink and animal feeding stuffs.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
Carbon Black	WEL		3.5 mg/m3		7 mg/m3

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust.

RESPIRATORY EQUIPMENT

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m3.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. PVC or rubber gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

HYGIENE MEASURES

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Powder, dust		
COLOUR	Black		
ODOUR	Odourless		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	>3000	MELTING POINT (°C)	>3000

REVISION DATE: 28th April 2008

Carbon Black

RELATIVE DENSITY	1.7-1.9g/cm3 @ 20°C	BULK DENSITY	200-700 kg/m3
DECOMPOSITION TEMPERATURE (°C)	>250	AUTO IGNITION TEMPERATURE (°C)	300
MINIMUM IGNITION TEMPERATURE	315		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

MATERIALS TO AVOID

Strong oxidising substances. Inorganic nitrates. Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). Sulphurous gases (SOx).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 >8000 mg/kg (oral rat)

INHALATION

Dust in high concentrations may irritate the respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Powder may irritate skin. Prolonged contact may cause dryness of the skin.

EYE CONTACT

Particles in the eyes may cause irritation and smarting.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

LC 50, 96 Hrs, FISH mg/l >1000

MOBILITY

The product is insoluble 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.

14 TRANSPORT INFORMATION

ROAD TRANSPORT NOTES	Not Classified
RAIL TRANSPORT NOTES	Not Classified.
SEA TRANSPORT NOTES	Not Classified.
AIR TRANSPORT NOTES	Not Classified.

15 REGULATORY INFORMATION

RISK PHRASES

NC Not classified.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

REVISION DATE: 28th April 2008

Carbon Black

APPROVED CODE OF PRACTICE

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

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

ISSUED BY

Thomas Tailford

REVISION DATE	28th April 2008
REV. NO./REPL. SDS GENERATED	04
SDS NO.	CU106

SAFETY DATA SHEET STATUS

Approved.

DATE	28th April 2008
SIGNATURE	Thomas Tailford