

Material Safety Data Sheet

Identification of the substance/preparation and of the company/undertaking

Trade Name	FerroBlack
Intended Use	General waterproofing of concrete and masonry structures, Anticorrosion for rails and for insulation purpose
Company Name	STP Limited 43 Nehru Place 707 Chiranjiv towers, New Delhi 110019, India Phone : +91 11 46561359 Fax : +91 11 46561358
Emergency Information	Phone : +91 81302 98888 Fax : +91 11 46561358

[1] Composition / information on ingredients

Component	%	CAS No
Acid	2- 5 %	8008-20-6
Bitumen	32-40 %	8052-42-4
Montmorillonite powder	20-40 %	1318-93-0
Mica	15-18 %	12001-26-2

[2] Hazards Identification

Inhalation	Excessive inhalation can cause nausea, headache, intoxication and Unconsciousness.
Ingestion	May cause irritation to the digestive tract and mouth causing vomiting and abdominal pain
Skin Contact	Prolonged contact will affect and dry the skin and may lead to irritation and dermatitis.
Eye Contact	Will cause intense smarting and irritation

[3] First-aid Measures

Inhalation	Remove to fresh air. Give oxygen / artificial respiration if needed. Consult Doctor.
Ingestion	Do not induce vomiting. Give plenty of milk or water. Consult Doctor.
Eye Contact	Flush with copious clean water minimum 15 minutes ensure Thorough irrigation. Consult Doctor.
Skin Contact	Remove contaminated clothing. Apply proprietary skin cleaner, then wash with copious soap and water. Apply skin cream.

[4] Fire-fighting Measures

Extinguishing Media	Dry powder, CO2, Earth, Sand, Foam. Do not use Water.
Special Fire Fighting procedures	Wear self contained breathing apparatus, Full protective clothing. Spray drums with Water to keep cool.
Unusual Fire & Explosion Hazards	Vapour is heavier than air. Combustion Produces toxic gases

[5] Accidental Release Measures / Spills and Leaks

Steps to be taken in case material is released or spilled	Absorb onto inert material, e.g. sand, earth. Put into suitable containers. Prevent from entering water courses
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[6] Handling & Storage

Precautions for safe handling	Keep in tightly closed container in cool dry area from all sources of ignition
Other precautions	Store away from oxidizing agents, peroxides, Food stuffs

[7] Exposure Controls / Personal Protection

Respiratory Protection (Type)	Self contained breathing apparatus if in enclosed spaces. Otherwise, not normally required.
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[8] Ventilation

Local Exhaust	Ensure adequate ventilation to comply with OEL.
Protective Gloves	Rubber, PVC
Eye Protection	Safety goggles Long sleeved overalls

[9] Physical & Chemical Properties

Appearance	Dark Brown Paste
Odour	Mild bituminous odour
Ph	3-7
Boiling Point/Boiling range °C	N/A
Specific Gravity	N/A
Vapour pressure(MM mercury)	N/A
Melting Point /Freezing point	N/A
Water Solubility	Soluble
Viscosity	N/A
Percentage Volatile by volume %	40-50 %
Evaporation Rate (Butyl Acetate=1)	N/A
Flash Point °C / Method used	N/A
Lower Explosive limits	N/A
Upper Explosive limits	NA

[10] Stability & Reactivity

Stability	Stable under normal conditions
Conditions to avoid	High temperatures
Incompatibility/Materials to avoid	Oxidising agents, strong acids, alkalis, Halogens
Hazardous Decomposition Products	Combustion produces toxic gases
Hazardous Polymerisation	Will not occur

[11] Toxicological Information

LD 50/oral/rat = 5000 mg / Kg

[12] Ecological Information

Non pollutant

[13] Disposal Consideration

Incinerate or landfill according to local regulations

[14] Transport Information

Class	Non Hazardous material
Packaging Group	III
Classification Code	9
Hazard Ident. Number	N/A
UN Number	1999
RID-ADR	Asphalt

HI	N/A
Label	N/A
Technical Name	Bituminous emulsion type

[15] Regulatory Information (Risk & Safety Phrases)

R10	Not Flammable
R40/21	Harmful-Possible risk of irreversible effects. In contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment
S24	Avoid contact with skin
S36/37/39	Wear suitable protective clothing, gloves and eye / face protection

[16] Other Health & Safety Information

Recommended uses and restrictions: See below
Source of key information used to compile SDS, CHIP regulations 1994. EH40
If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

Note

The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act, 1974; the control of Substances Hazardous to Health Regulations, 1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.