

MATERIAL SAFETY DATA SHEET

147-A/2

Note: Read and understand Material Safety Data Sheet before handling or disposing off the product.

MSDS No.147A1102/01 Date of Issue: February 01, 2011

SECTION 1 - Product & Company Identification:

Company Name	FERROCHEM NDT SYSTEMS PVT. LTD. WORKS/OFFICE: C-98, ADDL JEJURI MIDC, JEJURI, TAL: PURANDAR, PO BOX 1, DIST: PUNE-412303, INDIA.
Telephone numbers	TEL:0091-92722 30385/ 30386/ 17690/ 00829.
E-mail ID	E-mail: ferro@pn2.vsnl.net.in • ferrochem@yahoo.in
Contact Person	A. L. Datar (CEO)
Product / Item Code	FerroChem Black (Ready to use) /147A/2
Packing	420 ml in Aerosol can.
Product Description	Black Colored Particles suspended in oil (FerroChem Black) for crack detection by MPI (MT).

SECTION 2 - Information on Ingredients

Components	CAS No.	Quantity in (%)by weight
Propane / Butane Mixture	68476-85-7	20-40%
Hydrocarbon Solvent	NA	70-80%
Powder coated with Black color	NA	10-13%

SECTION 3 - Health Hazards

Eyes	May cause minimal irritation.
Skin	Not expected to be acutely toxic by skin contact.
Inhalation	Not expected to be acutely toxic by inhalation.
Ingestion	Not expected to be acutely toxic by ingestion.

SECTION 4 - Emergency / First Aid Procedure

Eyes	Flush thoroughly with plenty of water for at least 15 minutes & obtain medical attention.
Skin	Flush thoroughly with plenty of soap & water.
Inhalation	Remove exposed person from to fresh air & gargling by water get medical attention if respiratory irritation develops.
Ingestion	Rinse the inside of mouth with water. If rapid recovery dose not occur. Obtain medical attention.
Note to physician	Treat symptomatically.

SECTION 5 - Fire Fighting Measures

Extinguishing Media	Use ABC type fire extinguishers.
Special Risks	Propellant gas being LPG, high temperature and fire should be avoided.
Special Protective Equipment for Firefighters	Wear self-contained breathing apparatus.

SECTION 6 - Accidental Relief Measure

Ventilate the area, clean up with a vacuum cleaner or sweep up without causing dust.
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SECTION 7 - Handling & Storage

Handling	Use gloves, safety goggles and respiratory protection equipment. Provide good ventilation of working area (local exhaust ventilation if necessary). After handling, wash hands and gargle well.
Storage	Preferably store inside well-ventilated area and do not store under direct Sunbeam. Keep container closed. Avoid humid atmosphere.

SECTION 8 - Exposure Controls/ Personal Protection

Respiratory Protection	Dust proof mask.
Hand Protection	Use gloves and wash hands after handling.
Eye Protection	Dust - proof goggles or face shield, optional.
Ventilation	No special ventilation is usually necessary.
Other clothing and Equipment	No special clothing or equipment usually necessary.

SECTION 9 - Physical and Chemical Properties:

Peculiar Odour	Mixed Solvent Odour.
Solubility	In- Soluble in water.
Specific gravity/Density	0.77+/-0.02
Flash Point (By Abel's close cup method)	98°C Min.
P ^H Value	Neutral

SECTION 10 - Stability & Reactivity

Stability	Chemically Stable and Inert.
Thermal Decomposition	NDA
Hazardous Polymerization	Will not occur.

SECTION 11 - Toxicological Information

Skin irritation	None.
Eye irritation	None.
Sensitization	NDA.
Sub acute toxicity	NDA.

SECTION 12 - Ecological Information

Biodegradable	The material is biodegradable.
Environmental fate	No ecological damage or impact anticipated upon exposure to environment.

SECTION 13 – Disposal

Ensure that the can to be disposed off is empty or treat them as follows: a) Puncture a small hole on the top of the can in well-ventilated area away from the fire. b) Remove the gas completely and pour the material in a container. Smash the can and dispose off as industrial waste. Dispose off the material as EPA hazardous waste.

SECTION 14 - Transport Information

This item does not fall under the hazardous class of packing and packaging.

AIR TRANSPORT (Cargo and Passenger Aircraft)	
UN No.	1950
IMDG Code	4G
Class	2.1
Id. No.	-
Packing Instruction	P003
Packing Type	-
MARITIME TRANSPORT	
IMDG CODE	NA
Class	
Packing Instruction	
Packing Provisions	
Packing Type	

SECTION 15 - Regulatory Information

Aerosol Flammable

SECTION 16 - Other Information

This product is for industrial use only. Please do not take it internally.

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N. A.: Not Applicable N. D. A.: No Data Available