

**MATERIAL SAFETY DATA SHEET (MSDS)****1. CHEMICAL IDENTITY****CBFS**

Chemical Name	Carbon Black Feed stock	Trade name	CBFS
Synonyms	CBFS	Chemical classification	Hydrocarbon (Mixture)
Formula	Not Pertinent (Mixture)	CAS Number	Not Pertinent (Mixture)
UN number	1993	UN Hazard class	3
Hazchem code (EAC)	2		
REGULATED IDENTIFICATION		Hazardous ingredients	CAS No.
Shipping Name	-	(1) --	--
Shipping code/ Label	-	(2) --	--
Hazardous waste Id No.	5	(3) --	--

2. PHYSICAL AND CHEMICAL DATA

Boiling point/ Range ° C	>200	Physical state	Liquid	Appearance	Blackish
Melting/Freezing Point °C	DNA	Vapour Pressure (at 20 °C) mm Hg	DNA	Odour	Pungent, Unpleasant
Vapour Density (Air =1)	>2	Solubility in water (at 30 °C)	Insoluble	Other Informations	
Specific gravity (at 20 C) (water =1)	0.9 - 1.0	PH	Not Pertinent	CBFS is a mixture of C9 and higher hydrocarbons	

3. FIRE AND EXPLOSION HAZARD DATA

Flash point °C	>70	Flammability LFL % v UFL % v	DNA -	TDG Flammability	3
Explosion sensitivity to impact	No	Explosion sensitivity to static electricity	Yes	Autoignition Temperature °C	>400
Combustible Material	Yes	Explosive Material	No	Hazardous Polymerization	No
Flammable Material	No	Oxidizer	No	Corrosive Material	No
Pyrophoric Material	No	Organic Peroxide	No	Other information	
Hazardous Combustion Products	Acrid smoke and fumes				

4. REACTIVITY DATA

Chemical stability	Stable under normal conditions
Incompatibility with other Materials	Strong oxidizers
Reactivity	None
Hazardous Reaction Products	Not Pertinent

5. HEALTH HAZARD DATA

Route of entry	(1) Absorption through skin, (2) Inhalation (3) Ingestion			
Effect of exposure/ Symptoms	Irritates eye and skin			
Emergency treatment	Flush eyes with plenty of water for at least 10 minutes. Remove contaminated clothing. Wash affected skin with soap and water. If inhaled, remove victim to fresh air. Give artificial respiration. If breathing has stopped. If ingested, have victim drink water or milk. Do not induce vomiting. Obtain medical attention immediately.			
Permissible Exposure Limit	TLV-TWA (ACGIH)	DNA	STEL (ACGIH)	DNA
LD 50 oral-rat: DNA TCLo ihl-hmn:	IDLH	DNA	Odour threshold	DNA
NFPA Hazard signals	Health	Flammability	Reactivity	Special
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6. PREVENTIVE MEASURES

CBFS

PERSONAL PROTECTIVE MATERIAL	Use PVC or rubber gloves and apron, gumboots, goggles/face shield and overalls. Use breathing apparatus if required.
HANDLING AND STORAGE PRECAUTIONS	Store in cool, clean, ventilated, fireproof storage area. Keep away from heat, spark, open flame and incompatible materials, (strong oxidizing agents). Protect containers against physical damages.

7. EMERGENCY AND FIRST AID MEASURES

FIRE (Class of fire: B)	
Fire extinguish media	Water fog, alcohol resistant foam or dry agent (Co2, DCP)
Special Procedures	None
Unusual Hazards	None
EXPOSURE	
First Aid Measures	Eyes: Flush eyes with plenty of water for at least 10 minutes Skin: Remove contaminated clothing and wash affected skin with soap and water Inhalation: Remove victim to fresh air. If not breathing give artificial respiration Ingestion: If conscious have the victim drink water or milk. Do not induce vomiting. Obtain medical treatment immediately.
Antidotes/ Dosages	DNA
SPILLS	
Steps to be taken	Stop leak if safe to do so. Contain spillage. Absorb in sand or earth for disposal. Eliminate all sources of ignition. Use PPE. Cordon off area. Stay upwind.
Waste Disposal Method	Let spillage go to drip pit or oily water sewer. Flush small spillage with plenty of water.

8. ADDITIONAL INFORMATION/ REFERENCES

ECOLOGICAL INFORMATION	
Ecotoxicity	DNA
Persistence	DNA
OTHER INFORMATION	CBFS is supplied to major consumer by pipelines
REFERENCES (FOR OBTAINING MORE INFORMATION)	
1. Hazardous Chemicals Data Book: G Weiss: Noyes Data Corp.USA	2. Hand Book of Environment Data: Karen Verschueren: Van Nostrand Reinhold Co., USA

9. MANUFACTURER/SUPPLIER'S DATA

Haldia Petrochemicals Limited, Durgachak, Haldia, Purba Medinipur, WB- 721 602	Contact person in Emergency	Emergency Leader
Ph: (03224) 274400/007	Local Bodies Involved	The Assistant District Magistrate
Fax: (03224) 274420	Standard Packing	Tank car
	Tremcard details/ Ref	
	Others	Supplied through pipelines.

10. DISCLAIMER

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