



"Passionately Protecting Mother-Nature since 1978"

Estd. Since 1978

Bharat Oil & Waste Management Ltd.

Common HW TSDF at Sahibabad, Kanpur-Dehat (UP), Mauza Mukimpur Roorkee and SIDCUL Haridwar (UK)

ISO 9001-2015



Quality Certified Company

CIN - U11201DL2007PLC160944

Hazardous, Electronic & Municipal Waste Management

Secured Landfill, Incineration, Pre-Processing/ Coprocessing of Waste

SEPL™- NABL Accredited Laboratory for Testing of Air, Water, Soil, Hazardous Waste /Sludge/Slurry/Soil/Sediments /Chemicals/Materials

Lube Oil Re-Refining & Wholesale of Industrial Lubricating Oils

WTS™ - Enterprise Waste Tracking & Management Software

Regd with MoeF&CC / CPCB as Recycler & Reprocessor

Authorised by UPPCB, for HW & E-Waste Management

Authorised by UEPPCB, Uttarakhand for HW & E-Waste Management

MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and details of manufacturing company:

- 1.1: Product identification:**
 Product description: Waste Mixed Solid
 Synonyms / trade names: Alternate Fuel and Raw Material
- 1.2: Relevant identified uses of the substance or mixture and uses advised against**
 Identified Uses: Alternate Fuel and Raw Material for supply to Cement plant which is made from mixed hazardous Waste materials.
- 1.3: Details of the supplier of the safety data sheet**
 Company Name: **Bharat Oil and Waste Management Ltd.**
 Address: Gata No.672, Village- Kumbhi, NH-2, Akbarpur, Kanpur Dehat, Uttar Pradesh, Pin- 209101, India.
- 1.4: Emergency contact details:**
 Phone No.: 011-41000710
 Website: www.bharatoil.com,
 Email id: sales@bharatoil.com

SECTION 2: Classification & Composition on ingredients:

- 2.1: Classification of the substance or mixture**
 Physical and chemical hazards: See Section 3
 Human health: No information available
 Environment: No information available
- 2.2 AFR (Alternative Fuel and Raw Material) is made from mixed hazardous waste material and may contain some hazardous substance or material.**
- 2.3 Other hazards:**
 This product contains hazardous substances, refer section 6 for handling & storage.



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Facilities:

- E - 18, Sahibabad Industrial Area, Site 4, Ghaziabad - 201010, UP, India
- Gata No. 672 & 706 G, Vill. Kumbhi, NH - 2 Kanpur-Dehat - 209101, UP, India
- Mauza Mukimpur Roorkee-Lakshar Road Roorkee - 247664, UK, India
- SIDCUL - Haridwar, UK, India



SECTION 3: Physical and chemical properties:

3.1 Physical properties

Physical State:	Solid
Appearance:	Chips/grinded
Odor:	Little smell
Colour	Black/Mix
Texture	Dry/ Slightly Moist
Specific Gravity	>1.0
pH:	6-9
Loss on Drying (%)	<20
Calorific value (Cal/gm)	3500 ±200approx.
Ash (%)	<25
Loss on Ignition (LOI) (%)	>75
Flash Point	NA
Sulphur%	<1.5
Chloride %	<1.5
Total Halogens (mg/L)	<1.0
PCP (ppm)	<50
Melting Point/Range:	NA
Boiling Point/Range °C:	NA
Solubility:	Partialsoluble in water
Autoignition Temperature:	NA
Decomposition Temperature:	No information available
Viscosity:	NA

3.2 Chemical Properties

Description	Yes	No	Specify
Reactivity			
Water Reactive	X	√	-----
Acid Reactive	X	√	-----
Alkali Reactive	X	√	-----
Air Reactive	X	√	-----
Shock Sensitive & Sparks	√	X	Need protection due to moderate flammable
Carcinogenic	X	√	-----
Flammable of Combustible	√	X	-----
Explosive	X	√	-----
Fuming / Smoking waste	X	√	-----
Other Components			
Asbestos	X	√	-----
Ammonia	X	√	-----
Polychlorinated Biphenyl	X	√	-----
Cyanide	X	√	-----
Dioxins/ Furans	X	√	-----
Volatile Organic Comp.	X	√	-----
Mercury Vapour	X	√	-----
Oil & Grease	√	X	-----
Pesticides	X	√	-----
Sulphides	X	√	-----
Corrosivity	X	√	-----



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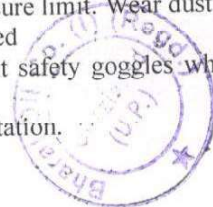
Toxic and /or Release Gas	X	√	-----
Heavy Metal (ppm)			
Mercury (Hg)	<10		
Cd + Ti + Hg	< 100		
As + Co+ Ni+ Se + Te + Sb + Cr + Sn + Pb +V	<2500		

SECTION 4: Firefighting measures:

- 4.1 Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide fire extinguisher.
- 4.2 Special hazards arising from the substance or mixture**
 Hazardous products: **Yes** (Manufactured from of Industrial hazardous waste, may contain hazardous residue)
 Combustion: Combustible, Handle with care
- 4.3 Specific Hazards Arising from the Material**
 Keep product and empty container away from heat and sources of ignition.
- 4.4 Advice for fire fighters**
 Special firefighting procedures: No specific fire-fighting procedures given please refer section 4.1
- 4.5 Protective Equipment and Precautions for Firefighters**
 As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

SECTION 5: Preventive Measures:

- 5.1 Personal precautions, protective equipment and emergency procedures**
 Follow precautions for safe handling described in this safety data sheet section-6
- 5.2 Environmental precautions**
 The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.
- 5.3 Methods and material for containment and cleaning up**
 Avoid dust formation. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel (avoid any sparks or ignition), broom or the like. Transfer to a container for disposal.
- 5.5 Exposure controls / personal protection**
- Engineering measures:** Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.
- Respiratory equipment:** No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Wear dust masks in dusty areas.
- Hand protection:** Hand gloves advised
- Eye protection:** Wear dust resistant safety goggles where this is a danger of eye contact.
- Other protection:** Provide eyewash station.



Hygiene measures: Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 6: Handling and storage:

6.1 Precautions for safe handling

Avoid handling which leads to dust formation. Avoid inhalation of high concentrations of dust. Observe occupational exposure limits and minimize the risk of inhalation of dust. Avoid skin contact. Exercise good personal hygiene including removal of soiled clothing and prompt washing with soap and water.

6.2 Conditions for safe storage, including any incompatibilities

Store should be dry, cool and well-ventilated. The storage zone must be equipped with a fire protection system.

6.3 Specific end use(s)

The identified uses for this product are detail in section- 1.2

SECTION 7: First Aid Measures:

7.1 Description of first aid measures

Inhalation: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion: Rinse mouth thoroughly. Get medical attention if any discomfort continues.
Skin contact: Wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Rinse eye with water immediately. Get medical attention if any discomfort continues.

7.2 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 8: Transport Considerations:

Covered trucks/vehicles properly to avoid direct sunlight and transporting vehicle should be carrying the transport emergency (TERM) card. In the event of any accident/ Spillage please follow the instruction of TERM card (form 9).

SECTION 9: Other information

Prepared by	Sr. Chemist
Checked By:	Project Head (Technical & Compliance)
Approved By:	Technical Director
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