Material Safety Data Sheet

Carbon Black Oil

Section 1 - Product Identification

Synonyms : Catalytic cracked clarified oil, carbon black feedstock oil and pyrolysis tar

Molecular Weight : -

Chemical Formula : -

Company Identification : Tradeasia International Pte. Limited

Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore
Tel: +65-6227 6365
Fax: +65-6225 6286
Email: contact@chemtradeasia.com

Recommended use of the chemical and restrictions on use:

Manufacturing of Substances, Laboratory chemicals.

Section 2 – Composition/Information on Ingredients

Product Name	EC Code/CAS No	Concentration
Carbon Black Oil	215-609-9/1333-86-4	<= 100%

Section 3 – Hazards Identification

3.1 GHS Classification

Skin Sens. 1 H317

Muta. 1B H340

Carc. 1A H350

Repr. 1B H360

STOT RE 1 H372

3.2 Precautionary Statements

Hazard statement(s)

H317 - May cause an allergic skin reaction

H340 - May cause genetic defects

H350 - May cause cancer

H360 - May damage fertility or the unborn child

H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statement(s)

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P260 - Do not breathe mist, vapors

P261 - Avoid breathing mist, vapors

P264 - Wash hands, forearms and face thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P272 - Contaminated work clothing must not be allowed out of the workplace

P280 - Wear eye protection, face protection, protective clothing, protective gloves

P302+P352 - If on skin: Wash with plenty of soap and water

P308+P313 - If exposed or concerned: Get medical advice/attention

P314 - Get medical advice/attention if you feel unwell

P321 - Specific treatment (see first aid instructions on this label)

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

P362+P364 - Take off contaminated clothing and wash it before reuse

P405 - Store locked up

P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

3.3 Other hazards

No other additional information available

Section 4 – First-Aid Measures

4.1. Description of first aid mesaures

General advice

If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

If inhaled

Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

In case of skin contact

Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

In case of eye contact

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

If swallowed

Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: May cause an allergic skin reaction. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: May cause an allergic skin reaction.

Symptoms/injuries after eye contact: Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways.

Chronic symptoms: May cause an allergic skin reaction. May cause genetic defects. May cause cancer. May damage fertility. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure.

4.3. Indication of any immediate medical attention and special treatment needed

N.A.

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Foam. Carbon dioxide. Dry powder. Sand. Water spray. Water fog

5.2 Special hazards arising from the substance or mixture

Fire hazard: Heating may cause a fire.

Explosion hazard: Heating may cause an explosion.

Reactivity: No dangerous reactions known under normal conditions of use.

5.3 Advice for firefighters

Precautionary measures fire : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

Other information : Vapors may travel long distances along ground before igniting/flashing back to vapor source. Vapors may accumulate in low areas. Vapors may concentrate in confined areas. Vapors may form flammable and explosive mixture with air. Flowing product can be ignited by self-generated static electricity.

5.4 Further information

No data available.

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment: Wear Protective equipment as described in Section 8.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up: Eliminate ignition sources. Ventilate area. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety procedures. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Use appropriate personal protection equipment (PPE). Immediately rinse contaminated clothing thoroughly with water. Use only in well-ventilated areas. Avoid breathing vapors, mist. Use explosion-proof equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against

static discharge. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated place. Keep the container tightly closed. Store in original container. Keep away from ignition sources. Ground and bond all transfer and storage equipment.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1, no other specific uses are stipulated.

Section 8 – Exposure Controls/Personal Protection

8.1. Control parameters

No available data.

8.2. Appropriate engineering controls

General industrial hygiene practice. Wash hands before breaks and at the end of workday.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Respirator:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Clothing:

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Gloves:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection:

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance : Brownish black viscous liquid.

Odour : Hydrocarbon-asphaltic

Odour threshold : N.A.

pH @ 20°C : N.A.

Melting point : N.A.

Boiling point : 260-538°C

Flash point : >93.3°C – closed cup

Evaporation rate : N.A.

Flammability : No data available

Upper/lower flammability or explosive limits : No data available

Vapour pressure: N.A.

Vapour density : N.A.

Relative density : N.A.

Solubility in water : No data available

Partition coefficient, n-octanol/water: N.A.

Auto-ignition temperature: >260°C

Decomposition Temperature: N.A.

Surface tension: N.A.

Viscosity: No data available

Section 10 – Stability and Reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Reacts violently with water.

10.4. Conditions to avoid:

Avoid contact with: Ignition sources. Incompatible materials

10.5. Incompatible materials

Oxidizing agent. Strong acids. caustic materials. Halogens.

10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

Section 11 – Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 6000 mg/kg

Skin corrosion/irritation

Not classified

Serious eye damage/eye irritation

Not classified

Respiratory or skin sensitisation

May cause an allergic skin reaction

Germ cell mutagenicity

May cause genetic skin defects

Carcinogenicity

May cause cancer.

Reproductive toxicity

May damage fertility or the unborn child

Specific target organ toxicity - single exposure

Not classified

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

Not classified

Additional Information

RTECS: Not available

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Section 12 – Ecological Information

12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No information available

Section 13 – Disposal Considerations

13.1. Disposal methods

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment

Section 14 – Transport Information

14.1. UN number : ADR/RID: 3082 IMDG: 3082 IATA-DGR: 3082

14.2. UN proper shipping name: ADR/RID, IMDG, IATA-DGR – Environmentally hazardous substances, liquid, n.o.s. (Contains: Carbon Black Oil),

14.3. Transport of hazard classes : ADR/RID: 9 IMDG: 9 IATA-DGR: 9

14.4. Packing group : ADR/RID: III IMDG: III IATA-DGR: III

14.5. Environmental hazards : ADR/RID: yes IMDG Marine pollutant: yes IATA-DGR: yes

14.6. Special precautions for user : No data available

14.7. Incompatible materials: No data availabe

Section 15 – Regulatory Information

15.1. Safety, health and environmental regulations for the substance/mixture:

Notification Status

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory.

All chemical substances in this product are listed on the Canadian DSL (Domestic Substances List).

Section 16 : Additional Information

16.1. Disclaimer of Liability

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