



烟台优联新材料有限公司

YANTAI YOLIAN ADVANCED MATERIALS CO.,LTD

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Technical Instructions for Material Safety (SDS)

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

.Product details

. **Chemical name:** Carbon Black CB-100H/CB-100H-1

. **Manufacturer/Supplier:** Yantai Yolian Advanced Materials Co., LTD

No. 20, Hefei Road, ETDZ, Yantai city, Shandong, China

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. **Further information obtainable from:** Yantai Yolian Advanced Materials Co., LTD

. **Information in case of emergency:** Yantai Yolian Advanced Materials Co., LTD

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2 Hazards identification

. Classification of the Substance or Mixture

According to the criteria in OSHA HCS (2012) for classifying hazardous substances, Carbon Black is not classified for any toxicological or eco-toxicological endpoint. As a combustible dust it is designated by OSHA as a hazardous chemical. See Labelling and 2.3 "Hazards Not Otherwise Classified (HNOC)".

. **According to the criteria in GHS (UN) for classifying hazardous substances, Carbon Black is not classified for any physico-chemical, toxicological or eco-toxicological endpoint. See 2.3, "Other hazards which do not result in classification"**

. **According to the criteria in Regulation (EC) No. 1272/2008 (CLP) for classifying hazardous substances, Carbon Black is not classified for any physico-chemical, toxicological or ecotoxicological endpoint.**

. According to the criteria in Canadian Hazardous Product Legislation known as Worker

Hazardous Material Information System (WHMIS) carbon black is not classified for any health hazards. Carbon Black is classified as a Combustible Dust.

. GHS Label Elements, Including Precautionary Statements

WARNING: May form explosible dust-air mixture if dispersed.

Keep away from all ignition sources including heat, sparks and flame.

Prevent dust accumulations to minimize explosion hazard.

Control dust exposures to below applicable occupational exposure limits.

. Hazards Not Otherwise Classified (HNOC)



This substance is classified as hazardous as a combustible dust by the United States 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Hazardous Products Regulation (HPR) 2015. Do not expose to temperatures above 400°C. Hazardous products of combustion can include carbon monoxide (CO), carbon dioxide (CO₂), oxides of sulfur, and organic products.

- .Principle Routes of Exposure:** Inhalation, Eye contact, Skin Contact
- .Eye Contact:** May cause mechanical irritation. Avoid contact with eyes.
- .Skin Contact:** May cause mechanical irritation, soiling, and skin drying. Avoid contact with skin. No cases of sensitization in humans have been reported.
- .Inhalation:** Dust may be irritating to respiratory tract. Provide appropriate local exhaust ventilation at machinery and at places where dust can be generated. See also Section 8.
- .Ingestion:** Adverse health effects are not expected. See Section 11.
- .Carcinogenicity:** Carbon Black is listed as an IARC (International Agency for Research on Cancer) Group 2B substance (possibly carcinogenic to humans). See also Section 11.
- . Target Organ Effects:** Lungs, See Section 11
- .Medical Conditions Aggravated by Exposure:** Asthma, Respiratory disorder
- .Potential Environmental Effects:** None known. See Section 12.

3 Composition/information on ingredients

- .Chemical characterization:** Under normal conditions of use and handling, this product is not expected to create any health or safety hazards.
- .Description:** Mixture of substances listed below with additions.

| .Components Number: | Effect | Classification(acc to DIR 67/548/EEC or Regulation(EC) NO.1272/2008 | Approximate(%) by Wt.Or Vol. |
|---------------------|----------|---|---------------------------------|
| Carbon Black | Colorant | 133-86-4 | 100 |

4 First aid measures

- Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.**
- .Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
- .Eye:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- .Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
- .Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
- .Medical conditions aggravated by exposure:** No medical conditions are known to be aggravated by these products.
- .Notes to Physician:** Mixture is orally non-toxic. See Section 11 for additional toxicological data.

5 Fire-fighting measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Non-combustible, substance itself does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes.

.Flammable class: Not determined

.Suitable extinguishing media: Water, CO₂, Dry Chemicals, Foam-Fog

.Fire/Explosion Hazards: Negligible fire hazard when exposed to heat or flame.

.Fire Fighting Procedure: Wear self-contained breathing apparatus meeting NIOSH standards.

.Other information: Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to products of combustion exists.

6 Accidental release measures

.Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

.Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7 Handling and storage

The regulations relating to storage re-issues apply to workshop where the product is handled :

.Handling: Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Wear protective goggles and gloves when handling material. Clean cloths must be worn. Observe all warnings and precautions listed for the product.

.Storage: Store in tightly closed original container, in a cool & dry area away from heat sources & protected from light. Avoid dust formation and control ignition sources. Keep air contact to a minimum.

.Further information about storage condition: None.

8 Exposure controls/personal protection

.Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

.Personal Protection: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

.Protective Gloves:



Protective Gloves

.Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.



Tightly sealed goggles

.Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

.Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

.Health measures: Local exhaust ventilations may be necessary for some operation

.PEL (OSHA): None Established

.TLV (ACGIH): None Established

9 Physical and chemical properties

.General Information

| | |
|--|----------------------------------|
| .Form: | Solid |
| .Color: | Black |
| .Odor: | Odorless |
| .Change in condition | |
| .Melting point/Melting range: | Not available |
| .Boiling point/Boiling range: | 4200°C |
| .Flash point: | 290-520°C |
| .Self-igniting: | Product is not self-igniting |
| .Danger of explosion: | Not available |
| .Density: | Not available |
| .Relative density: | 1.7-2.1 |
| .Vapor density: | Not available |
| .Evaporation rate | Not available |
| .Solubility in/Miscibility with | |
| .Water: | Not miscible or difficult to mix |
| .pH- Value: | 2.0-9.5 |
| .Viscosity: | |
| .Dynamic: | Not available |



10 Stability and reactivity

- .**Chemical Stability:** Stable under normal temperatures and pressures.
- .**Decomposition Products:** Not available.
- .**Materials with which substance is incompatible:** None known.
- .**Hazardous Polymerizations:** Will not occur.
- .**Polymerization:** Will not occur.
- .**Special Remarks on Reactivity:** Not available.
- .**Special Remarks on Corrosively:** Not available.

11 Toxicological information

- .**Chronic Effects on Humans: Causes damage to the following organs:** lungs.
- .**Other Toxic Effects on Humans:**
No Hazardous in case of inhalation.
No hazardous in case of skin contact (irritant), of ingestion.
- .**Special Remarks on Toxicity to Animals:** Not available.
- .**Special Remarks on Chronic Effects on Humans:** Not available.
- .**Special Remarks on other Toxic Effects on Humans:** Not available.

12 Ecological information

- .**Ecotoxicity:** Not available.
- .**Products of Biodegradation:** None hazardous short term degradation products are not likely.
- .**Other adverse effects:** Not expected to be acutely toxic..

13 Disposal considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

- . **Waste Disposal Methods:** Disposal must be done as territory and /or local government regulations. . Waste management information will help to receive the best results.
- . **Disposal of packaging:** Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.

14 Transport information

- .**Not** regulated by IMDG/IMO.
- .**DOT Classification:** Not a DOT controlled material (United States).
- .**Identification:** Not applicable.
- .**Special Provisions for Transport:** Not applicable.
- .**Marine Pollutant:** Not applicable



15 Regulatory information

US FEDERAL

TSCA: Not listed on the TSCA inventory. It is for research and development use only.

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ. **Section 313:** No chemicals are reportable under Section 313.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/ International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases: Not available.

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

Canada - DSL/NDSL: None of the chemicals in this product are listed on the DSL or NDSL list.

Canada - WHMIS

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

16 Other information

The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No 1272/2008 (CLP) and Regulation (EU) 2015/83, EU Commission Directive 1999/45/EC, 1967/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may be applicable.

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