Safety Data Sheet (SDS)

Creation Date: 2022/03/10

Revision Date: 2022/03/12

Version: 202203

Prepared according to UN GHS (the 9th revised edition)

Product Name:

Waterborne epoxy coal tar paint (black)

Model: XGE-102

Company Name: Anhui SGtech Coating Technology Co., Ltd

Written by TJTest Technology (Shanghai) Co., Ltd

1 Identification of the chemical and supplier

1.1 Product identifier

Product Name: Waterborne epoxy coal tar paint (black)
Product Model: XGE-102

1.2 Recommended Applications

Communication tower, power tower underground part surface anti-corrosion coating.

1.3 Details of the supplier of the Safety Data Sheet

Name of the company: Anhui SGtech Coating Technology Co., Ltd
Address of the company: Batian Industrial Park, Datong Town, Tianchang, Anhui, China
Telephone number: +86 15385035644
Fax number: +86 550-7592111
Zip code: 239364
Mail address: seagalcoating@gmail.com
Emergency phone number: +86 13349251166

2 Hazards identification:

Hazard classification according to GHS: This product does not belong to dangerous goods, no harm classification.

Physical and chemical hazards: Non-flammable under normal temperature.

Health hazards: Non-harmful to human body under regular use.

Environment hazards: Non-harmful to environment under regular use.

Other hazards: No data available.

3 Composition/information on ingredients

Substance☐ Prepation☑

Composition:

Component	CAS No.	Concentration(weight percent, %)
Asphalt emulsion	8052-42-4	65
fillers	13463-67-7	22
Additives and water	7732-18-5	13

4 First aid measures

4.1 Description of first aid measures

General advice: Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

Skin contact: During production, take off contaminated clothing and shoes immediately. Wash off with plenty of water.

Eye contact: Rinse thoroughly with plenty of water or saline and consult a physician if necessary.

Inhalation: Move to fresh air and keep the airway open.

Intake: Clean up the mouth, induce vomiting, and seek medical attention.

Protecting of first-aiders: Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

4.2 Most important symptoms and effects, both acute and delayed

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

4.3 Indication of any immediate medical attention and special treatment needed

1) Treat symptomatically.
2) Symptoms may be delayed.

5 Fire protection

Flammability: Non-flammable.

Extinguishing media: Extinguish with media suitable for the surrounding environment.

Fire & explosion hazard: No fire and explosion hazard.

Fire equipment: Wear self-contained positive pressure breathing apparatus and full protective gear in any fire environment.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

1) Avoid contacting with skins and eyes.
2) It is recommended that emergency personnel wear masks, chemical anti-penetration gloves.

6.2 Environmental precautions

1) Prevent further leakage or spillage if safe to do so.
2) Discharge into the environment must be avoided.
3) Ensure that the site is well ventilated, and the spilled materials are collected in the container and placed in appropriate places.

6.3 Methods and materials for containment and cleaning up

1) Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2) Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7 Handling and storage

7.1 Precautions for handling:

1) Closed operation with suitable ventilation system and equipment.
2) Operators must be specially trained to strictly follow the operating procedures.
3) Avoid contact with oxidizing agents, reducing agents and halogens.
4) Lightly load and unload during handling to prevent damage to packaging and containers.
5) Equipped with the corresponding variety and quantity of fire-fighting equipment and leakage emergency treatment equipment.
6) Empty containers may contain harmful residues.

7.2 Precautions for storage:

1) Store in a cool, ventilated warehouse.
2) Keep the container sealed.
3) The storage area should be equipped with leakage emergency treatment equipment and suitable containment materials.

8 Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure limit values:

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m^3	ppm	mg/m^3
All components	USA-OSHA	Unspecified	Unspecified	Unspecified	Unspecified
	South Korea	Unspecified	Unspecified	Unspecified	Unspecified
	Ireland	Unspecified	Unspecified	Unspecified	Unspecified
	Germany (AGS)	Unspecified	Unspecified	Unspecified	Unspecified
	Denmark	Unspecified	Unspecified	Unspecified	Unspecified
	Australia	Unspecified	Unspecified	Unspecified	Unspecified

Biological limit values: No information available.

Monitoring methods:

1) EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

2) GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series Standard).

8.2 Engineering controls

1) Ensure adequate ventilation, especially in confined areas.
2) Ensure that eyewash stations and safety showers are close to the workstation location.
3) Use suitable electrical, ventilating and lighting equipment, etc.
4) Set up emergency exit and necessary risk-elimination area.

8.3 Personal protection equipment

General requirement:

Eye protection: Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).

Hand protection: Wear protective gloves（such as butyl rubber）, passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.

Respiratory protection: If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full- face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

Skin and body protection: Wear fire/flame resistant/retardant clothing and antistatic boots.

Other protection: Smoking, eating and drinking are forbidden on the job site. Maintain good hygiene habits.

9 Physical and chemical properties:

Appearance: Black viscous liquid
Odor: Weak odor
Odor threshold: Not available
PH value: 8-9
Melting point/freezing point (°C): Not available
Initial boiling point and boiling range (°C): Not available
Flash point: ＞70
Evaporation rate: No data available
Flammability (solid or gas): Non-flammable
Explosion upper/lower limit [%(v/v)]: Non-explosive
Vapor pressure (kPa): No data available
Vapor density (air = 1): No data available
Relative density (water = 1): No data available
Solubility (mg/L): No data available
Octanol/water partition coefficient: No data available
Auto-ignition temperature (°C): Non-spontaneous combustion

Decomposition temperature (°C): Not available
Viscosity: 25-28s

10 Stability and Reactivity:

Reactivity: Contact with incompatible materials can cause decomposition or other chemical reactions.
Chemical stability: Stable under the correct conditions of use and storage.
Possibility of hazardous reactions: No data available.
Conditions to avoid: Incompatible materials, static electricity, heat, humidity, etc.
Incompatible materials: Strong oxides, strong acids, strong bases.
Hazardous decomposition products: Under normal storage and use conditions, no dangerous decomposition products are produced.

11 Toxicological information:

11.1 Acute toxicity

Component	LD_{50}(oral)	LD_{50}(Transcutaneous)	LC_{50}(inhalation,4h)
All components	No data available	No data available	No data available

11.2 Carcinogenicity:

Component	IARC	NTP
All components	Not Listed	Not Listed

11.3 Others

Corrosive skin/irritation: No

Serious eye damage/irritation: No

Skin sensitization: No data available

Respiratory sensitization: No data available

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Germ cell mutagenicity: No data available

Reproductive toxicity: No data available

12 Ecological information:

12.1 Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
All components	No data available	No data available	No data available

12.2 Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
All components	No data available	No data available	No data available

12.3 Others

Component	Persistence & degradability	Bioaccumulation	Soil mobility	PBT & vPvB
All components	No data available	No data available	No data available	No data available

13 Disposal considerations

Waste chemicals: Recycle as much as possible. Make disposal by incineration if not available. Do not discharge into drains.

Contaminated packaging: Dispose as regular garbage after emptying the package. Residual hazards may still exist after emptied, should be away from heat and fire. Recycle them to the supplier if possible.

Disposal considerations: Refer to national and local regulations before disposal. See Part 8 for safety precautions for disposal personnel.

14 Transportation information:

United Nations Dangerous Goods Number (UN No.): The product is not dangerous.
UN proper shipping name: None
UN Risk Classification: None
IMO/IMDG Code: The substance is not subject to IMO/IMDG Code.
Packing Category: None
Packaging label: None
Marine Pollutants (Yes/No): No

Packing method: Pack according to the manufacturer's recommendations like open drums. Ampoule bottle outside the ordinary wooden box. Threaded glass bottles, iron lids, glass bottles, plastic bottles or metal drums (cans) outside the ordinary wooden boxes.

Transportation Note: Lightly load and unload to prevent damage to packaging and containers. requirements. Check the packaging container for integrity and sealing before shipping. Hazard signs and notices shall be posted on the means of transport in accordance with the relevant transport requirements.

15 Regulatory information:

International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS
All components	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A

EINECS - European Inventory of Existing Commercial Chemical Substances
TSCA - United States Toxic Substances Control Act Inventory
DSL - Canadian Domestic Substances List
IECSC - China Inventory of Existing Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
PICCS - Philippines Inventory of Chemicals and Chemical Substances
KECL - Korea Inventory of Existing Commercial Chemical Substances
AICSL - Australia Inventory of Existing Commercial Chemical Substances

16 Others

16.1 Reference:

[1] IPCS: The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home.
[2] IARC，website: http://www.iarc.fr/.
[3] OECD: The Global Portal to Information on Chemical Substances, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.
[4] CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple.
[5] NLM: ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.
[6] EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.
[7] U.S. Department of Transportation: ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.
[8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

16.2 Abbreviations and acronyms

CAS – Chemical Abstracts Service
LC_{50} – Lethal Concentration 50%
LD_{50} – Lethal Dose 50%
EC_{50} – Effective Concentration 50%
PBT – Persistent, Bioaccumulative, Toxic
IARC – International Agency for Research on Cancer
vPvB – very Persistent, very Bioaccumulative
OECD – Organization for Economic Co-operation and Development
IMO - International Maritime Organization
IMDG - International Maritime Dangerous Goods

16.3 Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 7th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure

the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

**********END**********

SDS Creation Date: 2022/03/12 (valid for one year)