

1 Identification

- **Product identifier**
- **Trade name:** TK-88 - Thermal Coating Black
- **Article number:** TK-88
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture :**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Chemicar USA
670 New York St.
Memphis, TN 38104
Tel: 1 (800) 261-7976
Email: Gino.Bauwens@chemicar.com
- **Information department:** Claus.Grafe@chemicar.com
- **Emergency telephone number:** Tel: 1 (800) 424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS Classification

Skin Irritation: Category 3
Skin Sensitization: Category 1

H302: Harmful if swallowed
H317: May cause an allergic skin reaction
H320: Causes eye irritation

- **Label elements**
GHS label elements
- The product is classified and labeled according to the Globally Harmonized System (GHS).

- **GHS Hazard pictograms**

Danger Pictogram:



Signal Word: WARNING

Hazard-determining components of labeling:

Hazard statements:

H302: Harmful if swallowed
H315: May cause an allergic skin reaction
H320: Causes eye irritation

Precautionary Statements:

Prevention:
P261: Avoid breathing mist or vapors.
P264: Wash hands thoroughly after handling.
P272: Contaminated work clothing should not be allowed to leave the workplace.
P280: Wear protective gloves/protective clothing/ eye protection/face protection.

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Precautionary Statements Cont.**Response:**

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+ P313: If skin irritation occurs: Get medical advice/attention.

P33 + P313: If skin irritation or rash occurs: Seek medical attention.

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

Disposal:

P501: Dispose of contents/container in an approved waste disposal facility.

Other Dangers:

None Known.

3 Composition/information on ingredients

- *Chemical characterization: Mixtures*
- *Description: Mixture of the substances listed below with additions.*

CAS	INGREDIENTS	% p/p	% v/v	MAX LIMIT
N/A	POLYVINYL RESIN	60-80		
93763-70-31	Expanded Perlite (Unbound)	12-14		
N/A	Water	4-6		
1333-86-4	Carbon Black (Unbound)	0.2-0.5		

The hazards of the listed Expanded Perlite and Carbon Black are for their powder unbound forms. In the bound form and when used for application as a coating, these ingredients are not hazardous.

4 First-aid measures**Description of First Aid Measures**

General Advice: Remove the person from the danger zone. Consult a physician. Show this safety data sheet to the doctor in attendance.

In case of Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops. Consult a physician after significant exposure.

In case of Skin Contact: Take off contaminated clothing and shoes immediately. Wash off thoroughly with plenty of soap and water. If symptoms persist, consult a physician

In case of Eye Contact: Immediately flush with plenty of water for at least 15 minutes. Keep your eyes open while rinsing. Remove contact lenses if present. If symptoms persist, consult a physician.

In case of Ingestion: Rinse your mouth with water and then drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

Most important symptoms and effects, both acute and delayed: Sensitizing effects. Allergic reactions. See Section 11 for detailed information on health and symptoms. Causes mild skin irritation. May cause an allergic skin reaction.

Special Notes for a Treating Physician:

Treat symptomatically.

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5 Fire-fighting measures

- Extinguishing Media: Use extinguishing measures that are appropriate for the local circumstances and the surrounding environment.
- Specific Hazards During Firefighting: **DO NOT** allow runoff from fire control to enter drains or waterways.
- Hazardous Combustion Products: No known hazardous combustion products.
- Specific Firefighting Methods: Firefighting water should be collected separately, and not allowed to run into the sewer system. Fire debris and contaminated firefighting water must be disposed of in accordance with local regulations.
- Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus when fighting fires.

6 Accidental release measures

- Personal Precautions, Protective Equipment and Emergency Procedures
Wear protective equipment. Keep unprotected persons away.
- Environmental Precautions:
Do not discharge into surface water or the sanitary sewer system. If the product contaminates rivers, lakes, or sewers, inform the appropriate authorities.
- Methods and Material for Containment and Cleaning Up:
Absorb with inert absorbent material (e.g. silica gel, acid binder, universal binder, sawdust)
Keep in closed appropriate receptacles for disposal.

Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Precautions for safe handling: Avoid exceeding the given occupational exposure limits (see section 8). Avoid all contact with eyes, skin, or clothing. See section 8 for personal protective equipment. People who have problems with skin sensitization, asthma, allergies, chronic or recurrent respiratory diseases should not be employed in any part of the process where this preparation is used.

Information about protection against explosions and fires: Normal fire protection measures.

Safe Storage Conditions: Keep the container tightly sealed in a dry and well-ventilated place. Store in accordance with local regulations.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink while using.

*Trade name: TK-88 Thermal Coating***8 Exposure controls/personal protection**Components with Workplace Exposure Limits:

This product does not contain any substances with occupational exposure limits.

Personal protective equipment:Respiratory Protection:

Use respiratory protection unless adequate ventilation is available or exposure level is within recommended guidelines. The respirator filter class should be appropriate for the maximum expected concentration of the contaminant (gas/vapor/aerosol/particulate) that may be encountered during product handling.

If this concentration is exceeded, self-contained breathing apparatus must be used.

Protection of hands:

Protective gloves

Chemical-resistant and impermeable gloves that meet approved standards should be worn when handling chemicals and if the risk assessment indicates that it is necessary.

Eye protection:

Tightly sealed goggles

Eye protection equipment that meets approved standards should be worn when the risk assessment indicates that it is necessary.

Body protection:

Choose body protection according to its characteristics, the concentration and quantity of hazardous substances, and the specific workplace.

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9 Physical and chemical properties

Vapor Pressure:	n/a
Relative Density:	No Data Available
Density:	0.9 – 1.1 gr/cm^3 (at 23°C)
Solubility	
Water Solubility:	No Data Available
Solubility in Other Solvents:	No Data Available
Partition Coefficient (noctanol/water) :	No Data Available
Autoignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity	
Dynamic Viscosity:	No Data Available
Kinematic Viscosity:	No Data Available
Explosive Properties:	No Data Available
Oxidizing Properties:	No Data Available

10 Stability and reactivity

<i>Reactivity:</i>	No hazardous reactions known under normal conditions of use.
<i>Chemical stability:</i>	This product is chemically stable.
<i>Possibility of hazardous reactions:</i>	No special hazards mentioned.
<i>Conditions to avoid:</i>	No data available.
<i>Incompatible materials:</i>	No data available.

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11 Toxicological Information

- *Acute toxicity:*
- Not classified based on available information

- *Product:*

Acute Toxicity:	Acute toxicity estimate > 5,000 mg/kg	
Method:	Calculation Method	

- *Primary irritant effect:*
- Skin Corrosion/Irritation: Causes mild skin irritation.
- Serious Eye Damage/Eye Irritation: Not classified based on available information.
- Skin Sensitization: May cause an allergic skin reaction.
- Respiratory Sensitization: Not classified based on available information.
- Germ Cell Mutagenicity: Not classified based on available information.

- *Carcinogenicity:*

Not classified based on available information.

- *IARC (International Agency for Research on Cancer)*

Not applicable.

- *NTP (National Toxicology Program)*

Not applicable.

- *Reproductive Toxicity:*

Not classified based on available information.

- *Specific Target Organ Toxicity – Single Exposure:*

Not classified based on available information.

- *Specific Target Organ Toxicity – Single Exposure:*

Not classified based on available information.

- *Aspiration:*

Not classified based on available information.

12 Ecological information

- *Eco-toxicity:*

No data available

- *Persistence and Degradability:*

No data available

- *Bio accumulative Potential:*

No data available.

- *Mobility in soil:*

No data available.

- *Other Adverse Effects:*

- *Product:*

Cannot be excluded that the product may cause environmental harm if not handled or disposed of properly.

Toxic to aquatic organisms, with long lasting harmful effects.

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13 Disposal considerations

Waste Disposal Methods

Waste:

Prevent the product from entering drains, sewers, or the ground (soil). Do not contaminate ponds, waterways, or ditches with the chemical or its container.

Contaminated Container:

Empty the remaining contents. Dispose of unused products. Do not reuse empty containers.

14 Transport Information

International Regulations

· UNRTDG	Not regulated as hazardous material
· IATA – DGR	Not regulated as hazardous material
· IMDG Code	Not regulated as hazardous material
· Transport in Bulk According to Annex II of MARPOL 73/78	Not Applicable Not Applicable

National Regulations

· NOM– 002 - SCT	Not regulated as hazardous material
· Special precautions for user	Not Applicable

15 Regulatory Information

· **Specific Environmental, Safety, and Health Regulations**

Convention on the Prohibition of Chemical Weapons (CWC), Toxic Chemical and Precursor Chemicals Programs (Louisiana Administrative Code, Title 33, Part V Section 10101 et. seq.):

Not Applicable

Federal Law for the Control of Chemical Precursors, Essential Chemical Products, and Machines for the Manufacture of Capsules, Tablets, And/or Tablets:

Not Applicable

Volatile Organic Compounds (VOCs):

Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated Pollution prevention and control) **Not Applicable**

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16 Other Information Including that on the Preparations and Update of the Safety Data SheetsRevision Date: 4 – 12 – 2024

The Information contained in this safety Data Sheet (SDS) is believed to be correct but is not exhaustive and should only be used for guidance. It is based on the present knowledge of the chemical or mixture and is applicable to the appropriate safety precautions for the product.

Full Text of Other Abbreviations

ADR	Accord européen relative au transport international des marchandises Dangereuses par Route (European Agreement Concerning the International Carriage of Dangerous Goods by Road).
CAS	Chemical Abstracts Service
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LD50	Median lethal doses (the amount of a material, given all at once, which causes the death of 50% of a group of test animals)
LC50	Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the protocol of 1978
OEL	Occupational Exposure Limit