



SAFETY DATA SHEET

Revision date 16-July-2020

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

CAS No. 12070-10-9
Product Name Vanadium carbide
Molecular Formula VC

Relevant identified uses of the substance or mixture and uses advised against

Recommended use Laboratory chemicals, Manufacture of substances

Details of the supplier

Company name Hunan Huawei Jingcheng Material Technology Co., Ltd.
Address Room 516, Hunan International Business Center, Jintai Plaza,
East Second Ring, Furong District, Changsha City, Hunan
Province, China.
Website www.hnjc-metal.com
Telephone 0086-731-85124338
Fax

Emergency telephone number

Chemtrec
0086-731-85124338

Section 2: HAZARDS IDENTIFICATION

Label Elements



Signal word Warning

precautionary statements

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Wear protective gloves/protective clothing/eye protection/face protection Fire
In case of fire: Use CO₂, dry chemical, or foam for extinction

Hazards not otherwise classified (HNOC) or not covered by GHS - none

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Substances

CAS No.: 12070-10-9

Description: Vanadium carbide

Hunan Huawei Jingcheng Material Technology Co., Ltd. www.hnjc-metal.com

Section 4: FIRST AID MEASURES

Description of first aid measures

General information: Workplace hygiene:

No eating, no drinking, no smoking in the working area. Thoroughly wash your hands before eating, drinking or smoking.

After inhalation: In case of inhalation of dust, move affected person into fresh air. Give artificial respiration in case of respiratory arrest. If there is difficulty in breathing, oxygen is to be given, exclusively by medical staff. Call a physician immediately.

After skin contact: Flush with plenty of water using mild cleaning agent. Consult a physician if the skin irritation persists.

After eye contact: In case of eye irritation, rinse with plenty of water. Consult a physician if the irritation persists.

After swallowing: If major quantity of dust is swallowed, dilute with plenty of water; induce vomiting, and consult a physician.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: Dry chemicals, CO₂, foam or water. Do not allow the material to enter drains/ surface water/ ground-water.

Special hazards arising from the substance or mixture: Carbide blanks and/or carbide products are no fire hazard. The dust produced by grinding, however, can be flammable and carry the danger of fire, if accumulated.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information:No data available

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Environmental precautions

Apply dust-free cleaning methods. Collect the released material in appropriate containers for recycling or disposal.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

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

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Contains no substances with occupational exposure limit values.

Components with limit values that require monitoring at the workplace: Not required.

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face 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.

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory protection

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.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

- a) Form: Powder
- b) Odor: no data available
- c) Odor Threshold: no data available
- d) pH: no data available
- e) Boiling point: 2810 °C / 5090 °F
- f) Initial boiling point and boiling range: no data available
- g) Flash point: no data available
- h) Evaporation rate: no data available
- i) Flammability (solid, gas): no data available
- j) Upper/lower flammability or explosive limits: no data available
- k) Vapor pressure: no data available
- l) Vapor density: no data available
- m) Relative density: 5,770 g/cm³
- n) Water solubility: insoluble
- o) Partition coefficient - noctanol/water: no data available
- p) Auto-ignition temperature: no data available
- q) Decomposition temperature: no data available
- r) Viscosity: no data available
- s) Explosive properties: no data available
- t) Oxidizing properties: no data available

Other safety information

No data available

Section 10: STABILITY AND REACTIVITY

Reactivity No further relevant information available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions No data available.

Conditions to avoid Oxidizing agents.

Incompatible materials: No data available.

Hazardous decomposition products: No data available.

Section 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: Direct contact with eyes may cause temporary irritation.

Ingestion:Expected to be a low ingestion hazard.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard : no data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	No further relevant information available.
Persistence and degradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.
Results of PBT and vPvB assessment	No information available
Other adverse effects	No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation: Disposal must be made according to official regulations

Contaminated packaging

Recommendation: Disposal must be made according to official regulations.

Section 14: TRANSPORT INFORMATION

DOT (US)

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

Section 15: REGULATORY INFORMATION

US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

SARA 304 Emergency release notification Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No
Reactivity Hazard - No

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting) Chemical name	CAS number	% by wt.
Vanadium Carbide (Vc)	12070-10-9	90 - 100

Section 16: OTHER INFORMATION

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

HUAWEI MATERIAL
Experts come from dedication.