

Safety Data Sheet

CGI 725

Revision date : 2013/11/06
Version: 1.0

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(30478248/SDS_GEN_US/EN)

1. Product and Company Identification

Company
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

2. Hazards Identification

Emergency overview

CAUTION:
No particular hazards known.
Avoid contact with the substance.
Refer to MSDS Section 7 for Dust Explosion information.

State of matter: solid
Colour: yellowish to white
Odour: characteristic

Potential health effects

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

In animal studies the substance is virtually nontoxic after a single ingestion.

Irritation / corrosion:

Not irritating to eyes and skin.

Assessment other acute effects:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Sensitization:

No data available.

Chronic toxicity:

Carcinogenicity: No data available concerning carcinogenic effects.

Repeated dose toxicity: No data available.

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Reproductive toxicity: No data available.

Teratogenicity: No data available.

Genotoxicity: The substance was not mutagenic in bacteria.

3. Composition / Information on Ingredients

This product is not regarded as hazardous under current OSHA Hazard Communication standard; CFR 29 Part 1910.1200.

4. First-Aid Measures

General advice:

Immediately remove contaminated clothing. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). First aid personnel should pay attention to their own safety.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash affected areas with water while removing contaminated clothing. Seek medical attention.

If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point:	not applicable, the product is a solid
Autoignition:	not determined
Lower explosion limit:	For solids not relevant for classification and labelling.
Upper explosion limit:	For solids not relevant for classification and labelling.
Flammability:	not highly flammable
Self-ignition temperature:	not self-igniting

Suitable extinguishing media:

dry powder, foam

Unsuitable extinguishing media for safety reasons:

carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

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Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

Impact Sensitivity:

Impact Weight:	5 kg
Height of Fall:	0.8 m
Method:	BAM drop hammer

6. Accidental release measures

Personal precautions:

Avoid dust formation. Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

7. Handling and Storage

Handling

General advice:

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place. Protect contents from the effects of light.

8. Exposure Controls and Personal Protection

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

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Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	powder	
Odour:	characteristic	
Colour:	yellowish to white	
pH value:		not applicable
Melting point:	66 - 68 °C	
Boiling point:		The substance / product decomposes therefore not determined.
Vapour pressure:		not applicable
Relative density:		No data available.
Bulk density:	approx. 400 kg/m3	
Vapour density:		The product is a non-volatile solid.
Partitioning coefficient n-octanol/water (log Pow):		Study does not need to be conducted.
Viscosity, dynamic:		Study does not need to be conducted.
Particle size:		No data available.
Solubility in water:		not determined

10. Stability and Reactivity

Conditions to avoid:

Avoid dust formation. Avoid deposition of dust. Avoid sources of ignition. Avoid electro-static discharge. Avoid heat. Avoid light.

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

Dust explosion hazard.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

199 °C (DSC (OECD 113))

No decomposition if stored and handled as prescribed/indicated.

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity

Information on: Benzeneacetonitrile, alkoxy-[[[(alkylsulfonyl)oxy]imino]-

Assessment of acute toxicity:

In animal studies the substance is virtually nontoxic after a single ingestion.

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Oral:

Type of value: LD50
Species: rat
Value: > 2,000 mg/kg (OECD Guideline 423)
No mortality was observed.

Inhalation:

Type of value: LC50
Species: rat (male/female)
Value: > 5.628 mg/l (OECD Guideline 403)
Exposure time: 4 h
No mortality was observed.

Dermal:

No data available.

Irritation / corrosion

*Information on: Benzeneacetonitrile, alkoxy-[[alkylsulfonyl]oxy]imino]-
Assessment of irritating effects:
Not irritating to eyes and skin.*

Skin:

Species: rabbit
Result: non-irritant
Method: OECD Guideline 404

Eye:

Species: rabbit
Result: non-irritant
Method: OECD Guideline 405

Sensitization

*Information on: Benzeneacetonitrile, alkoxy-[[alkylsulfonyl]oxy]imino]-
Assessment of sensitization:
No data available.*

Genetic toxicity

*Information on: Benzeneacetonitrile, alkoxy-[[alkylsulfonyl]oxy]imino]-
The substance was not mutagenic in bacteria.*

Aspiration Hazard:

No aspiration hazard expected.

12. Ecological Information

Fish

Acute:
Fish/LC50 (96 h):
not determined

Chronic:

No data available.

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Aquatic invertebrates

Acute:
daphnia/LC50 (48 h):
not determined

Chronic:
No data available.

Aquatic plants

Toxicity to aquatic plants:
algae/EC50 (72 h):
not determined

Microorganisms

Toxicity to microorganisms:
bacteria/EC50 (0.5 h):
not determined

Other adverse effects:

Do not discharge product into the environment without control.

13. Disposal considerations

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US blocked / not listed
TSCA § 5 PMN approved, Notice of Commencement required

TSCA § 5 final Significant New Use Restriction (SNUR)
40 CFR 721.10597

OSHA hazard category: This material is classified as not hazardous under OSHA regulations.;

EPCRA 311/312 (Hazard categories): Not hazardous;

16. Other Information

NFPA Hazard codes:

Health : 1 Fire : 1 Reactivity: 0 Special: none

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

SDS Prepared by:

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SDS Prepared on: 2013/11/06

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