



Date of establishment: 14/12/01
Revision date: 14/12/01

Safety data sheet/ EG-Sicherheitsdatenblatt

Product/ Product group: **USA shelf primer**

1.1 Substance/Preparation and Company Name
1.2 Information on the product

1.2 Information on manufacturer/Supplier

Supplier: **Tiffany Glaskunst GmbH**
Street: **Helleforthstr. 18-20**
UIP Code/town: **D-33758 Schloß Holte Stukenbrock**
Tel.: **+49 5207 91280**
Fax.: **+49 5207 912840**
e-mail: **tgk@tgk.de**
Internet: **http://www.tgk.de**

Telephone number in emergency cases: 05207-9128-0

2. Composition/Information on Ingredients

Hercules Cellulose gum (minimum purity of 99,5 %, dry basis; various levels of substitution, viscosity & particle size)

CAS-Number: 9004-32-4

Sodium carboxymethyl cellulose; sodium CMC: Cellulose, carboxymethyl ether, sodium salt

3. Possible hazards

HMIS *	Rating
Health hazard:	1 (slight)
Flammability hazard:	1 (slight)
Reactivity hazard:	0 (minimum)

This material is not expected to cause physiological impairment at low concentration. Until a specific TLV is adopted by the ACGIH (American Conference of Governmental Industrial Hygienists), or an OSHA (Occupational Safety & Health Administration) standard is issued, the manufacturer suggests that this material be treated as a nuisance dust or particulate in accordance with the recommendations of ACGIH.

Signs & symptoms of overexposure at the workplace:

Contact with eyes: Dust causes mild eye irritation
Inhalation: May cause respiratory irritation, if inhaled.
Contact with skin: None

Ingestion: None

Caution: Flammable dust when finely divided and suspended in air.
Surfaces subject to spills or dustings can become slippery when wet.

4. First Aid Measures

Eyes: In case of contact, immediately flush with plenty of low pressure water for at least 15 minutes. Remove any contact lenses to assure thorough flushing. Call a physician.

Inhalation: Remove to fresh air. Treat any irritation symptomatically. Call a physician.

5. Fire fighting measures :

Extinguishing media: Water spray, dry chemical, foam, or carbon dioxide

Special fire-fighting Procedures: none

Unusual fire & explosion

Hazards: Flammable dust when finely divided and suspended in air

6. Accidental release measures:

Steps to be taken if material is released or spilled:

Sweep up spilled material for use or disposal. Surfaces subject to spills or dusting with this product can become slippery when wet.

7. Handling and storage:

Keep away from heat sparks and open flame. To protect product quality, store in sealed containers in a dry place away from heat and sunlight.

8. Exposure controls and personal protection:

Appropriate hygienic practices:

Do not allow eye contact. Avoid breathing dust. Wash thoroughly after handling. Eyewash fountains and safety showers should be easily accessible. Surfaces subject to spills or dustings with this product can become slippery when wet. Keep floors clean and dry.

Personal protective equipment:

Safety glasses

Engineering controls:

Adequate ventilation should be provided to keep dust concentrations below acceptable exposure limits.

9. Physical and chemical properties:

Appearance and odor: white, granular solid to fine powder; no odor

Boiling point: n.a.*

Vapor pressure 20° C: n.a.

Moisture content

% by weight: 8 maximum (as packed)

Freezing point: n.a.

Solubility in water: complete

Specific gravity:	1.59
ph of 2 % solution:	7.5 typical
Evaporation rate:	n.a
Browning temperature:	227°C (440°F)
Flammable limits :	n.a.
Autoignition temperature:	c. 370°C (598°F) dust

10. Stability and reactivity

Stability considerations:	stable
Incompatibility with:	none
Hazardous decomposition products:	none
Hazardous products of combustion:	carbon monoxide, carbon dioxide and smoke
Hazardous polymerization:	will not occur

11. Toxicological information:

Medical conditions generally recognized as being aggravated by exposure:
None

Primary route of entry:

Following standard industrial hygiene and recommended procedures, entry of the compound into the body is not expected.

Not listed as a carcinogen by NTP (National Toxicology Program) not regulated as a carcinogen by OSHA (Occupational Safety and Health Administration); not evaluated by IARC International Agency for Research on Cancer)

Reported human effects:

Laxative effect reported after repeated oral ingestions of large amounts (10 grams). A single case of allergic contact dermatitis reported after repeated (8 years) skin contact.

Reported animal effects:

Eye irritations after exposure to dust. Laxative effect (loose stool) from repeated ingestion of 10% or greater in diet. Lesser amounts are not reported to cause this effect. Laboratory studies indicate that sodium carboxymethyl cellulose is not a mutagen, not a teratogen, not a carcinogen and does not cause effects on reproduction.

12. Ecological information:

This product is not listed in federal hazardous waste regulations 40 CFR261.33 paragraphs (e) or (f), i.e. chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics listed in 40CFR261 Subpart C. State or local hazardous waste regulations may apply if different from the federal.

13. Disposal considerations:

Waste disposal method:

Incineration of waste material in a permitted facility in accordance to local, state, and federal regulations is the recommended disposal method. Landfilling in a licensed facility equipped with leachate collection is a suitable alternative.

14. Transport information:

15. Regulatory information:

16. Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

HMIS = Hazardous Materials Identification System
n.a = not applicable