

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 25.08.2008

Revision: 25.08.2008

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name:** GRAFTEX

- **Article number:** 337952

- **Registration number** There is NO REGISTRATION NUMBER.

- **Application of the substance / the preparation**

A clear acrylic emulsion for the exterior protection of mineral substrates, waterdilutabled => Only for commercial application - no public product

- **Manufacturer/Supplier:**

CD-Color GmbH & Co.KG

Wetterstraße 58

D-58313 Herdecke

GERMANY

Telephone: (0049) (0)2330/926-0 (Central office)

Telefax: (0049) (0)2330/926-580 (Central office)

Internet: www.cd-color.de

E-Mail: info@cd-color.de

- **Further information obtainable from:**

Department "Produktsicherheit"

Telephone: (0049) (0)2330/926-188 (Mr. Roes)

E-mail: msds@cd-color.de

 Department "Anwendungstechnik"

Telephone: (0049) (0)2330/926-285 (Service)

 Department "Entwicklung"

Telephone: (0049) (0)2330/926-184 (Mrs. Gartz)

- **Information in case of emergency:** Phone: 450 666 6099 M. Andre Sirard

2 Hazards identification

- **Hazard description:** None hazard description.

- **Information concerning particular hazards for human and environment:**

Particular danger of slipping on leaked/spilled product.

The product is slightly hazardous for water.

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.






3 Composition/information on ingredients

- **Chemical characterization**

- **Description:**

Priming on the basis of acryl, waterdilutabled / preparation of binding agents, solvents, fillers and additives.

- **Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	 Xi,  F; R 11-36-67	2.0%
CAS: 1336-21-6 EINECS: 215-647-6	ammonia	 C,  Xi,  N; R 34-37-50	0.1%

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· **Additional information:**

For the wording of the listed risk phrases refer to Section 16 (=> see "Relevant R-phrases"!).

4 First-aid measures

· **General information:**



In case of symptoms or in case of doubts consult a doctor. In case of unconsciousness no serving through mouth. Call a doctor immediately. Soiled, soaked clothes immediately take off. Personal protection for the First Aider.

· **After inhalation:**

Plentifully admission of fresh air. Keep affected persons calm and warm. Consult doctor in case of complaints. In case of irregular respiration or respiratory arrest introduce artificial respiration. In case of unconsciousness place patient stably in side position, keep respiratory system free and supervise respiration and pulse. Call for medical help immediately.

· **After skin contact:**

Do not scratch. Immediately remove all soiled and contaminated clothing. Contaminated skin immediately wash with water and soap and rinse thoroughly. Do not use solvents or dilutions! Lay on protective skin cream/skin protection ointment. Consult doctor in case of complaints.

· **After eye contact:**

Remove contact lenses. Keep eye lids open and rinse plentifully for at least 10 minutes with clean running water. Consult a doctor.

· **After swallowing:**

DO NOT induce vomiting. Keep affected person calm and call for medical help immediately!!!

5 Fire-fighting measures

· **Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet.

· **Special hazards caused by the substance, its products of combustion or resulting gases:**

Fire will produce dangerous products of combustion/decomposition products like dense, black smoke, carbon dioxide (CO₂), carbon monoxide (CO). The inhalation of dangerous products of combustion/decomposition products may cause serious health damage.

· **Protective equipment:**

Wear fully protective suit.

Wear self-contained respiratory protective device.

· **Additional information**

Cool endangered receptacles with water spray.

Decomposition, pressure build-up and bursting of the receptacles/the containers is possible.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

· **Person-related safety precautions:**

Keep away from ignition sources and ensure a well-ventilated room. Do not inhale fumes.

Particular danger of slipping on leaked/spilled product.

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

· **Measures for environmental protection:**

Do not permit the product or its leftovers to enter the ground, canal systems or the natural water cycle.

Inform respective authorities in case of entering natural water cycle, the ground or canal systems.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Ensure adequate ventilation.

- **Additional information:**

Fumes can form an explosive mixture with air.

In the case of fire, cool endangered receptacles with water spray.

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

- **Handling:**

- **Information for safe handling:**

Avoid formation of flammable and explosive solvent fumes in the air and an exceeding of the limit values (=> see Section 8). The material only use at places, with which open light, fire and other ignition sources are kept away. The material can load itself electrostatically. Handle careful - Prevent impact and friction. It is recommended to carry antistatic clothes including footwear. Use spark-safe tools. Avoid contact with skin and eyes. Ensure a good ventilation/exhaustion at the workplace. Do not inhale gases/fumes/vapours/aerosols/types of dust. Do not eat, drink, smoke while working. Follow legal protection and safety regulations.

- **Information about fire - and explosion protection:**

Solvent fumes are heavier than air and spread over the ground. Fumes can form an explosive mixture with air.

Protect against electrostatic charges.

Keep ignition sources away - Do not smoke.

Protect from heat.

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**



According to standards electric installations must be explosion-proof. Grounds must be electric conducted. Store only in original receptacle. Keep receptacle tightly sealed. Do not empty receptacle with pressure, no pressure receptacle! Open receptacles carefully. Do not smoke. No entry for unauthorized persons. Opened receptacles close carefully and store upright in order to prevent any leak out. Guarantee a sufficient ventilation.

- **Information about storage in one common storage facility:**

Store away from dangerous materials.

Store away from foodstuffs, beverages and feed.

- **Further information about storage conditions:**

Store under lock and key and with access restricted to technical experts or their assistants only.

Store under lock and key and out of the reach of children.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

Keep receptacle tightly sealed.

Do not smoke in the storerooms.

Protect from frost.

- **Specific applications**

A clear acrylic emulsion for the exterior protection of mineral substrates, waterdilutabled => Only for commercial application - no public product

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:**

Ensure a good ventilation. This can be achieved by local exhaustion or general exhaust air. If this is not sufficient, in order to hold the concentration below the limit values, suitable respiratory protective device must be used.

- **Ingredients with limit values that require monitoring at the workplace:**

67-63-0 propan-2-ol
WEL Short-term value: 1250 mg/m³, 500 ppmLong-term value: 999 mg/m³, 400 ppm

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- **DNELs**

ATTENTION: at present, no exposition scenarios for this preparation can be provided due to missing data.

- **PNECs**

ATTENTION: at present, no exposition scenarios for this preparation can be provided due to missing data.

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Adhere safety directions and direction for use on the receptacle.

Keep away from foodstuffs, beverages and feed.

Do not inhale gases/fumes/vapours/aerosols/types of dust.

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke while working.

Ensure adequate ventilation.

- **Respiratory protection:**



When the concentration lies over the limit values, an appropriate certified respiratory protective device must be used, e.g. full protective mask with filter "A" (identification colour code "brown").

Always carry appropriate certified respiratory protective device during spray application!

Ensure a good ventilation/exhaustion at the workplace. Avoid formation of aerosols.

ATTENTION: Arrange work in such a way, that continuously respiratory protection does not have to be carried.

- **Protection of hands:**



Protective skin cream or protective gloves, e.g. one-way protective gloves.

Arrange work in such a way, that continuously gloves do not have to be carried. The maximum time of wearing should be limited to a working shift. However, immediately replace protective gloves in the case of damage or first case of wear.

Preventive skin protection (protective skin ointment/cream) is recommended. In the case of contact with the product, immediately wash contaminated skin parts and use protective skin ointment/cream. At the end of work ensure a thoroughly cleaning of the skin and use protective skin ointment/cream.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Wear tightly sealed goggles.

- **Body protection:** Wear light weight protective clothing.

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9 Physical and chemical properties

· General Information

Form: Fluid
Colour: Colourless
Odour: Weak, characteristic

· Change in condition

Boiling point/Boiling range: ca. 100°C

· **Flash point:** > 100°C

· **Ignition temperature:** > 200°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** ca. 1.06 g/cm³

· **Solubility in / Miscibility with water:** Miscible / waterdilutabled.

· **pH-value:** There are no statements/information available of the preparation.

· Viscosity:

Auslaufzeit at 20°C: < 60 s (ISO 2431/6mm)

· Solvent content:

Organic solvents: ca. 8.0 %

Water: ca. 61.0 %

· **Solids content:** ca. 31.0 %

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

No decomposition if used and stored according to specifications.

· **Materials to be avoided:** Store away from dangerous materials.

· **Dangerous reactions** No dangerous reactions known.

· Dangerous decomposition products:

Fire will produce dangerous products of combustion/decomposition products like dense, black smoke, carbon dioxide (CO₂), carbon monoxide (CO) (=> also see section 5 "Fire-fighting measures"!).

11 Toxicological information

· Acute toxicity:

· LD/LC50 values relevant for classification:

67-63-0 propan-2-ol

Oral	LD50	4570 mg/kg (rat)
Dermal	LD50	13400 mg/kg (rbt)
Inhalative	LC50/4 h	30 mg/l (rat)

1336-21-6 ammonia

Oral	LD50	350 mg/kg (Rat)
Inhalative	LC50/4 h	2000 mg/l (Rat)

· **Specific symptoms in biological assay:** There are no statements/information available of the preparation.

· Primary irritant effect:

· **on the eye:** Irritating effect.

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· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The inhalation of portions above the limit values (=> see Section 8) may result in adverse health effects such as mucous membranes and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, tiredness, numbness, sickness/nausea, muscular weakness, stunning effect and in extreme cases, loss of consciousness. Prolonged or repeated contact with the product may cause skin dryness and skin provoking/skin disease (dermatitis). Some contents materials (like e.g. 2-butanone oxime) can lead with sensitive persons to irritant effects and allergic reactions. The product may arrive into the body by skin. The liquid splashed in the eyes may cause irritation and reversible damage. In these cases consult a doctor.

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

ATTENTION: MISUSE OF THE PRODUCT MAY LEAD TO HEALTH HAZARDS!!!

12 Ecological information

· **Information about elimination (persistence and degradability):**

· **Other information:** There are no statements/information available of the preparation.

· **Ecotoxicological effects:**

· **Acquatic toxicity:** There are no statements/information available of the preparation.

· **Other information:**

Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground. The product is slightly hazardous for water.

· **General notes:**

Water hazard class (German Regulation): WGK 1 - slightly hazardous for water (in accordance with appendix 4 No.3 of the VwVwS of 17.05.1999)

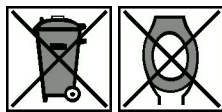
Do not allow product to reach ground water, water course or sewage system, even in small quantities.

ATTENTION: MISUSE OF THE PRODUCT MAY LEAD TO ENVIRONMENTAL HAZARDS!!!

13 Disposal considerations

· **Product:**

· **Recommendation**



Must not be disposed together with household garbage. Do not empty into sink. Do not allow product to reach sewage system. Hand over to hazardous waste disposers. ATTENTION: The recommended waste key refers to the product/the preparation in form of delivery!

· **European waste catalogue**

08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
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· **Uncleaned packaging:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Hand over receptacles/packagings with remainders/leftovers to hazardous waste disposers.

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** No danger good in the sense of the transport regulations/specifications!

· **Maritime transport IMDG:**

· **IMDG Class:** No danger good in the sense of the transport regulations/specifications!

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· **Marine pollutant:** No· **Air transport ICAO-TI and IATA-DGR:**· **ICAO/IATA Class:** No danger good in the sense of the transport regulations/specifications!

15 Regulatory information

- **Labelling according to EU guidelines:**

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

- **Code letter and hazard designation of product:** None code letter and none hazard designation.

- **Safety phrases:**

2 Keep out of the reach of children.

20/21 When using do not eat, drink or smoke.

24/25 Avoid contact with skin and eyes.

29 Do not empty into drains.

51 Use only in well-ventilated areas.

- **National regulations:**

- **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed (=> see the German "Jugendarbeitsschutzgesetz" (JArbSchG)).

Employment restrictions concerning pregnant and lactating women must be observed (=> see the German "Mutterschutzrichtlinienverordnung" (MuSchRiV) and "Mutterschutzgesetz" (MuSchG)).

- **Breakdown regulations:**

Critical quantity values according to the regulations on accidents should be adhered to (=> see the German "12. BImSchV - Störfall-Verordnung (=> Zwölfte Verordnung zur Durchführung des Bundes-Immissionschutzgesetzes)").

- **Waterhazard class:**

WGK 1 (German Regulation): slightly hazardous for water (in accordance with appendix 4 No.3 of the VwVwS of 17.05.1999)

- **Other regulations, limitations and prohibitive regulations**

The product may not come into the hands of unauthorized persons. The usual precautionary measures are to be adhered to when handling chemicals. ATTENTION: MISUSE OF THE PRODUCT MAY LEAD TO HEALTH AND ENVIRONMENTAL HAZARDS!!!

Instruction cards for individual sections/chapters like e.g. "Regeln für den Einsatz von Schutzhandschuhen" can be requested at the German "BG Chemie". Documents like gloves data can be call up over the Hazardous Material System of the German "Berufsgenossenschaft der Bauwirtschaft (GISBAU)".

Data on the Guideline 1999/13/EC of the delimitation of emissions of volatile organic compounds (VOC-Guideline):

Product group: "e"

VOC limit value 2007 for product group "e": 150 g/l VOC.

VOC limit value 2010 for product group "e": 130 g/l VOC.

VOC-value: this product contains max. 130 g/l VOC.

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16 Other information

GISCODE/Product-Code (product group) according to GISBAU (=> the German "Gefahrstoff-Informationssystem der Berufsgenossenschaft der Bauwirtschaft"): M-GF 01

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The given conditions of work of the user extract themselves from our knowledge and control. The product/the preparation may be used without written permission for no other use, than the mentioned intended purpose. The user is responsible for the observance of all necessary legal instructions.

This Safety Data Sheet replaces all previous versions. With the newest version in each case, the preceding Safety Data Sheets are set out of strength.

For further information please consult the "Technical Data Sheet".

- **Relevant R-phrases**

- 11 Highly flammable.
- 34 Causes burns.
- 36 Irritating to eyes.
- 37 Irritating to respiratory system.
- 50 Very toxic to aquatic organisms.
- 67 Vapours may cause drowsiness and dizziness.

- **Recommended restriction of use** Only for commercial application - no public product

- **Contact:** Phone: 450 666 6099 M. Andre Sirard

- **Sources**

- Regulation 1907/2006/EC (REACH-Regulation)
- Guideline 1999/45/EEC (Preparing Guideline)
- Ordinance on Hazardous Materials => German "Gefahrstoffverordnung" (GefStoffV)
- the German "Technische Regeln für Gefahrstoffe (TRGS) 220" for "Safety Data Sheet"
- the German Manual of the "VCI (Verband der Chemischen Industrie e.V.)" for "Safety Data Sheet"
- www.baua.de (the German "Bundesanstalt für Arbeitsschutz und Arbeitsmedizin)
- www.gisbau.de (the German "Gefahrstoff-Informationssystem der Berufsgenossenschaft der Bauwirtschaft")

- *** Data compared to the previous version altered.**

This Material Safety Data Sheet replaces the version of 09.07.2003!!!

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