

1 Identification of substance

- **Product details:**
- **Trade name:** *Tint-Ayd G GX*
- **Application of the substance / the preparation** *Coating compound/ Surface coating/ paint*
- **Manufacturer/Supplier:**
Elementis Specialties
p/a Elementis Service Centre N.V.
Pegasus Park
De Kleetlaan 12A - P.O. Box 3
B-1831 Diegem, Belgium
Tel: +32 (0) 2 790 76 00
Fax: +32 (0) 2 790 76 60
- **Informing department:**
Elementis Specialties
Ambachtsweg 8
NL-4906 CH Oosterhout
The Netherlands
- **Emergency information:** *+31 (0) 162 474 555*

2 Composition/Data on components

- **Chemical characterization:**
- **Description:** *Binding agent with colouring agents.*

- **Dangerous components:**

CAS: 107-21-1	<i>ethane-1,2-diol</i>	Xn; R 22	25-50%
EINECS: 203-473-3			

- **Additional information:**
For components with critical values that require monitoring at the workplace see Section 8
For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard designation:**
Xn Harmful
- **Information pertaining to particular hazards for man and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 22 Harmful if swallowed.
- **Classification system:**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** *Supply fresh air; consult doctor in case of symptoms.*
- **After skin contact:** *Wash with water and soap and rinse thoroughly.*
- **After eye contact:** *Rinse opened eye for several minutes under running water.*
- **After swallowing:** *Instantly call for doctor.*

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5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
Use fire fighting measures that suit the environment.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation
- **Measures for environmental protection:** Dilute with much water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
- **Additional information:**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with critical values that require monitoring at the workplace:**

107-21-1 ethane-1,2-diol

OES	Short-term value: 104** mg/m ³ Long-term value: 10* 52** mg/m ³ *particulate, IOELV, Sk **vapour, IOELV, Sk
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- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and food.
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Filter P1.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **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.

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- **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:** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

· General Information

Form:	Liquid
Colour:	Coloured
Smell:	Characteristic

- **Change in condition:**
Melting point/Melting range: Not determined
Boiling point/Boiling range: 100°C

· **Flash point:** 111°C

· **Ignition temperature:** 410.0°C

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

· **Danger of explosion:** Product is not explosive.

· **Critical values for explosion:**
Lower: 3.2 Vol %
Upper: 53.0 Vol %

· **Steam pressure at 20°C:** 0.1 hPa
· **Density at 20°C:** 1.345 g/cm³

· **Solubility in / Miscibility with**
Water: Fully miscible

· **Solvent content:**
Organic solvents: 0.0 %
Water: 7.1 %

· **Solids content:** 42.7 %

10 Stability and reactivity

- **Thermal decomposition / Conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

107-21-1 ethane-1,2-diol

Oral	LD50	5840 mg/kg (rat)
Dermal	LD50	9530 mg/kg (rabbit)

- **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

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· **Additional toxicological information:**

The product shows the following hazards according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful

12 Ecological information

· **General notes:**

Water Hazard class 1: slightly hazardous for water.
Do not allow undiluted product or large quantities of it to penetrate into ground water, water bodies or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation:**

Must be specially treated under adherence to official regulations.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **EWC Code No. 08 02 99**

· **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 02 00	wastes from MFSU of other coatings (including ceramic materials)
08 02 99	wastes not otherwise specified

· **Uncleaned packagings:**

· **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

· **Marine pollutant:** No

· **Transport/Additional information:** Not dangerous according to transport specifications.

15 Regulatory information

· **Designation according to EC guidelines:** Observe the normal safety regulations when handling chemicals.

· **Code letter and hazard designation of product:**

Xn Harmful

· **Hazard-determining components for labelling:**

ethane-1,2-diol

· **Risk phrases:**

22 Harmful if swallowed.

· **Safety phrases:**

36 Wear suitable protective clothing.

60 This material and its container must be disposed of as hazardous waste.

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %:
III	47.0

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- **Water hazard class:** Water hazard class 1: slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations:**
- **EU-VOC:** g/l
- **EU-VOC(%):** 0.00 %
- **Swiss-VOC:** 0.00 %

16 Other information

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

- **Relevant R-phrases**
22 Harmful if swallowed.
- **Department issuing data specification sheet:** Environment & Safety
- **Contact:**
HS&E Department
tel: +32 (0)2 790 76 32
fax: +32 (0)2 790 76 61
- *** Data compared to the previous version altered.**

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