

1 Identification of substance

- **Product details:**
- **Trade name:** Tint-Ayd® GR 104
- **Article number:** 11038
- **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:**
Product Stewardship Department
Elementis Specialties Netherlands B.V.
Langestraat 167 7491 AE
P.O. Box 1 7490 AA
DELDEN - The Netherlands
Tel.: +31/74/3775307
Fax : +31/74/3775364
- **Emergency information:** Tel.: +32 3 575 55 55 (SGS)

2 Composition/Data on components

- **Chemical characterization:**
- **Description:** Mixture of the substances listed below with harmless additions

- **Dangerous components:**

CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate	Xi; R 10-36	25-50%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom.	Xn, N; R 10-37-51/53-65	10-25%
CAS: 1330-20-7 EINECS: 215-535-7	xylene, mixed isomers, pure	Xn; R 10-20/21-38	< 3.0%
CAS: 108-67-8 EINECS: 203-604-4	mesitylene	Xi, N; R 10-37-51/53	< 2.0%
CAS: 103-65-1 EINECS: 203-132-9	propylbenzene	Xn, N; R 10-37-51/53-65	< 1.0%

- **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:**
Xi Irritant
- **Information pertaining to particular hazards for man and environment:**
Flammable
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 10 Flammable.
R 36 Irritating to eyes.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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· 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

- **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. If symptoms persist, consult doctor.
- **After swallowing:** In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
Water.
Water with a full water jet.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Inform respective authorities in case product reaches water or sewage system.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **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:** Keep container tightly sealed.

*** 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:	
108-65-6 2-methoxy-1-methylethyl acetate	
WEL	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm
1330-20-7 xylene, mixed isomers, pure	
WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm

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108-67-8 mesitylene

WEL	Long-term value: 125 mg/m ³ , 25 ppm
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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.
 - Instantly remove any soiled and impregnated garments.
 - Wash hands during breaks and at the end of the work.
 - Avoid contact with the eyes and skin.
- **Breathing equipment:** Use breathing protection in case of insufficient ventilation.
- **Protection of hands:**
 - Solvent resistant gloves
 - Impervious gloves
- **Material of gloves:** Butyl rubber, BR
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Solvent resistant protective clothing

9 Physical and chemical properties

- **General Information**

Form:	Pasty
Colour:	Greenish
Smell:	Solvent-like

- **Change in condition:**

Boiling point/Boiling range: 146°C

- **Flash point:** 44°C

- **Ignition temperature:** 315.0°C

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

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

- **Critical values for explosion:**

Lower: 0.8 Vol %

Upper: 10.8 Vol %

- **Density at 20°C:** 1.14900 g/cm³

- **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

- **Solvent content:**

Organic solvents: 41.5 %

- **Solids content:** 58.0 %

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

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11 Toxicological information

· **Acute toxicity:**

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

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	- mg/l (rat)

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** Irritant effect.

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

· **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:

Irritant

12 Ecological information

· **Ecotoxicological effects**

· **Acquatic toxicity:**

64742-95-6 Solvent naphtha (petroleum), light arom.

1 < EC50 Daphnien	10 mg/l (Daphnia magna)
1 < IC50 Algen	10 mg/l (A)
1 < LC50 Fisch	< 10 mg/l (Leuciscus idus)

· **Remark:** Harmful to fish

· **General notes:**

Water hazard class 2: hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

Harmful to aquatic organisms

13 Disposal considerations

· **Product:**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **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:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic):**

· **ADR/RID-GGVS/E Class:** 3 Flammable liquids.

· **Kemler Number:** 30

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- **UN-Number:** 1263
- **Packaging group:** III
- **Label** 3
- **Designation of goods:** 1263 PAINT
- **IMDG/GGVSea Class:** 3
- **UN Number:** 1263
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Correct technical name:** PAINT
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1263
- **Label** 3
- **Packaging group:** III
- **Correct technical name:** PAINT

15 Regulatory information

- **Designation according to EC guidelines:**
- **Code letter and hazard designation of product:**
Xi Irritant
- **Risk phrases:**
10 Flammable.
36 Irritating to eyes.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %:
NK	41.5

- **Water hazard class:** Water hazard class 2: hazardous for water.
- **Other regulations, limitations and prohibitive regulations:**
- **EU-VOC(%):** 41.49 %

· **EINECS/ELINCS:**

All ingredients are listed.

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**
10 Flammable.
20/21 Harmful by inhalation and in contact with skin.
36 Irritating to eyes.
37 Irritating to respiratory system.
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Material Safety Data Sheet
According to 2001/58/EC

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Trade name: Tint-Ayd® GR 104

65 *Harmful: may cause lung damage if swallowed.*

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· **Department issuing data specification sheet:**

Product Stewardship Dept.

Tel.: +32 2 790 76 32

Fax : +32 2 790 76 60

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

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