

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2012

Version number 18

Revision: 09.07.2012

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

- **Product identifier**
- **Trade name:** *impranol-color 0000 farblos*
- **Article number:** W716101
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Glazing
Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
RÜTGERS Organics GmbH
Oppauer Straße 43
D-68305 Mannheim
Tel.: **49-621-76540
US: 1-980-253-8880
Fax : **49-621-7654446
e-mail: SDB.rog@ruetgers-organics.de
- **Informing department:** see: Heading 16 (Contact)
- **Emergency telephone number:** see: Manufacturer/Supplier

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS06 skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Information concerning particular hazards for human 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.
- **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.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS06
- **Signal word** Danger
- **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated heavy
Hochdispersed, amorphes Siliciumdioxid
- **Hazard statements**
H331 Toxic if inhaled.
H319 Causes serious eye irritation.
Contains dichlofluanid, 2-butanone oxime, 2-ethyl-hexanoic acid, cobalt salt. May produce an allergic reaction.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321 Specific treatment (see on this label).
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture consisting of the following components.

- **Dangerous components:**

CAS: 64742-48-9 EINECS: 265-150-3 Index number: 649-327-00-6	Naphtha (petroleum), hydrotreated heavy ☒ Xn R65 R66 ----- ☠ Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332	25-50%
	Hochdisperses, amorphes Siliciumdioxid ----- ☠ Acute Tox. 2, H330	< 5%
	Poly(oxy-1,2-ethandiyl), alpha-(2propylheptyl)-omega-hydroxy-polymer ☒ Xn R22; ☒ Xi R41 ----- ☞ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	< 2%
CAS: 136-53-8 EINECS: 205-251-1	zinc bis(2ethylhexanoate) ☒ Xi R38; ☠ N R51/53 ----- ☞ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315	< 1%
CAS: 55406-53-6 EINECS: 259-627-5	3-Iodo-2-propynylbutylcarbamate ☒ Xn R20/22; ☒ Xi R37-41; ☒ Xi R43; ☠ N R50 ----- ☞ Eye Dam. 1, H318; ☞ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	< 0.5%
CAS: 13586-82-8 EINECS: 237-015-9	2-ethyl-hexanoic acid, cobalt salt ☒ Xn R22; ☒ Xi R38; ☒ Xi R43; ☠ N R51/53 ----- ☞ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	< 0.5%
CAS: 872-50-4 EINECS: 212-828-1 Index number: 606-021-00-7	N-methyl-2-pyrrolidone ☠ T Repr. Cat. 2 R61; ☒ Xi R36/37/38 ----- ☞ Repr. 1B, H360D; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	< 0.5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Clean affected area with soap and plenty of water.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.
- **Information for doctor** No particular measures are known - treat according to symptoms.

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- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources
- **Environmental precautions:** Do not allow to enter the ground/soil.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
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**
- **Precautions for safe handling** Precautions against electrostatic charging.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Keep container tightly closed in a cool and dry place.
Prevent any penetration into the ground.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store container in a well ventilated position.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Not required.

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34590-94-8 (2-methoxymethylethoxy)propanol (< 0.5%)	
WEL	Long-term value: 308 mg/m ³ , 50 ppm Sk
872-50-4 N-methyl-2-pyrrolidone (< 0.5%)	
WEL	Short-term value: 309 mg/m ³ , 75 ppm Long-term value: 103 mg/m ³ , 25 ppm Sk
64-17-5 ethanol (< 0.05%)	
WEL	Long-term value: 1920 mg/m ³ , 1000 ppm
78-93-3 butanone (< 0.01%)	
WEL	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk

• **Additional information:** The lists that were valid during the compilation were used as basis.

• **Exposure controls**

• **Personal protective equipment**

• **General protective and hygienic measures**

Wash hands during breaks and at the end of the work.

• **Breathing equipment:** Only during spraying without adequate removal by suction.

• **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**

Nitrile rubber, NBR

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 breakthrough 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

• **Information on basic physical and chemical properties**

• **General Information**

• **Appearance:**

Form:

Fluid

Colour:

According to product specification

• **Odour:**

Mild

• **Odour threshold:**

Not determined.

• **pH-value:**

Not applicable

• **Change in condition**

Melting point/Melting range:

Not determined

Boiling point/Boiling range:

Not determined

• **Flash point:**

68°C

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• Inflammability (solid, gaseous)	Not applicable.
• Ignition temperature:	200°C
• Decomposition temperature:	Not determined.
• Self-inflammability:	Product is not selfigniting.
• Danger of explosion:	Product is not explosive.
• Critical values for explosion:	
Lower:	0.6 Vol % (ber.)
Upper:	6.0 Vol % (ber.)
• Vapour pressure at 20°C:	23 hPa
• Density at 20°C	0.934 g/cm ³
• Relative density	Not determined.
• Vapour density	Not determined.
• Evaporation rate	Not determined.
• Solubility in / Miscibility with Water:	Not miscible or difficult to mix
• Segregation coefficient (n-octanol/water):	Not determined.
• Viscosity:	
dynamic:	Not determined.
kinematic at 20°C:	34 s (ISO 4 mm)
• Solvent content:	
Organic solvents:	40.3 %
Water:	17.0 %
• Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5000 mg/kg (Rattus norvegicus (Ratte))
Dermal	LD50	>3160 mg/kg (Oryctolagus cuniculus (eur. Kaninchen))
Inhalative	LC50/4 h	>12 mg/l (Rattus norvegicus (Ratte))

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.

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- **Sensitization:** Sensitizing effect by skin contact is possible by prolonged exposure.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**

- **General notes:**

At present there are no ecotoxicological assessments.

This statement was deduced from the properties of the single components.

Water hazard class 2 (German Regulation) (Self-assessment): 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.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation**

Remove in accordance with the local official recommendations.

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 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances

14 Transport information

- **Substance Index Number**

- **ADR, ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **ADR, ADN, IMDG, IATA** Void

- **Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class** Void

- **Packing group**

- **ADR, IMDG, IATA** Void

- **Environmental hazards:**

- **Marine pollutant:** No

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• Special precautions for user	Not applicable.
• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• Transport/Additional information:	Not a dangerous good in accordance with national and international regulations.
• UN "Model Regulation":	-

15 Regulatory information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is the responsibility of the user to assure himself that the information provided with this material safety data sheet is complete and applicable for his utilization of the product.

- **Relevant phrases**

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
R20/22	Harmful by inhalation and if swallowed.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

- **Department issuing data specification sheet:** Product safety department, Mannheim

- **Contact:**

RÜTGERS Organics
Product Safety
Tel. **49 / 621 7654 247

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

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ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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

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