

SAFETY DATA SHEET

according Regulation **EC No 1907/2006** and

Regulation **EU No 453/2010**

Date of issue: 12.2.2007

Revision: 01.01.2022

Date of revision: 3

Novoryt Touch-up Pen

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

1.1. Product identifier

Product name: Novoryt Touch-up Pen

Chemical name: -

Registration number: not registered (mixture)

Shades: Mahogany, Cherry, Spruce, White oak, Oak, Beech, Walnut, Dark oak,

Larch, Alder, Red mahogany, Dark brown, Teak, Black

Code K2: V014161000000-V014162200000

Note: For the identification numbers of chemical substance or hazardous components of mixture see section 3.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses of the substance or mixture: Delivered for successive operation to the customer that fills them into felt-tip pens, for the purpose of repairing of defects of wood (especially for cabinet makers).

Uses advised against: All other uses different than recommended uses.

1.3. Details of the supplier of the safety data sheet

Supplier identification

Trade name: **Novoryt AG**

Address: Zietmattweg 14
4462 Rickenbach BL, Switzerland

Vat number: CHE 106.481.779

Phone number: +41 61 985 83 83

E-mail: info@novoryt.ch

Responsible person for the safety data sheet

Name: Christa Hirschi

Trade name: Novoryt AG

Address: Zietmattweg 14, 4462 Rickenbach BL

Phone number: +41 61 985 83 83

E-mail: info@novoryt.ch

1.4. Emergency telephone number

+41 61 985 83 83

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification of the substance or mixture according Directive 1272/2008/EC (CLP):

Danger property: Flam. Liq. 2, Skin Sens. 1, STOT SE 3, Aquatic chronic 3

H-phrases: H225-317-336-412

For the wording of the listed H-statements refer to section 16.

2.1.2 Other information

The most important adverse physicochemical effects:

Highly flammable liquid and vapour.

The most important adverse for human health:

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

The most important adverse for the environment:

Harmful to aquatic life with long lasting effects.

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2.2. Label elements

Labelling of the substance or mixture with classification according Directive 1272/2008/EC (CLP):

Hazard pictogram(s):



Signal word: Danger

H-statements: H225 Highly flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

P-statements: P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces –No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing gas/vapours/ spray.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+352 IF ON SKIN: Wash with plenty of water.

P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor/if you feel unwell.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or rash occurs: Get medical advice/attention.

P362+364 Take off contaminated clothing and wash it before reuse.

P370+378 In case of fire: Use foam, dry chemical powder, carbon dioxide to extinguish.

P403+233 Store in a well-ventilated place. Keep container tightly closed.

P403+235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container to dangerous waste.

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Labelling of the substance or mixture with classification according Directive 1272/2008/EC (CLP) – packaging smaller than 125 ml:

Hazard pictogram(s):



Signal word: Danger

H-statements: H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

P-statements: P102 Keep out of reach of children.

P261 Avoid breathing gas/vapours/ spray.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+352 IF ON SKIN: Wash with plenty of water.

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor/if you feel unwell.

P321 Specific treatment (see information on this label).

P333+313 If skin irritation or rash occurs: Get medical advice/attention.

P362+364 Take off contaminated clothing and wash it before reuse.

P403+233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container to dangerous waste.

Additional information on the packaging/label:

Contains: Ethanol, 1-Methoxypropan-2-ol, C.I. Solvent Yellow 81, Rosin Packaging must be fitted with a tactile warning.

2.3. Other hazard

Not known

SECTION 3. Composition/information on ingredients

3.1. Substance

Product is the mixture.

Product name: -Novoryt Touch-up Pen

Other identification data of substance:

3.2. Mixtures

Product name: Novoryt Touch up Pen

Chemical characteristic: Mixture of ethanol, methoxypropan-2-ol, dye and other additives.

Other identification data of substances:

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1) Index number 2) CAS 3) ES 4) Registration number	Chemical name	Concentration [% weight]	Classification according 1272/2008/EC
1) 603-002-00-5 2) 64-17-5 3) 200-578-6 4) Not assigned	Ethanol	< 83	Flam. Liq. 2 (H225)
1) 603-064-00-3 2) 107-98-2 3) 203-539-1 4) 02-2119752510-47-0000	1-Methoxypropan-2-ol	< 20	Flam. Liq. 3 (H226) STOT SE 3 (H336)
1) Not assigned 2) 94276-33-2 3) 304-519-6 4) Not assigned	C.I. Solvent Yellow 81	0 - 4	Aquatic Chronic 2 (H411)
1) 650-015-00-7 2) 8050-09-7 3) 232-475-7 4) Not assigned	Rosin	3,5	Skin Sens. 1 (H317)
1) Not assigned 2) 94277-77-7 3) 304-661-9 4) Not assigned	C.I. Solvent Blue 70	0 - 2	Aquatic Chronic 3 (H412)
1) Not assigned 2) 84961-40-0 3) 284-628-2 4) Not assigned	Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)(1:1) *	0 - 0,9	Acute Tox. 4 (H302)
1) Not assigned 2) 85029-57-8 3) 285-082-8 4) Not assigned	Amines, C10-14-branched and linear alkyl, bis[2,4- dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) *	0 - 0,9	Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410)
1) Not assigned 2) 85029-58-9 3) 285-083-3 4) Not assigned	C.I. Solvent Yellow 82	0 – 0,1	Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410)

For the wording of the listed H-statements refer to section 16.

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SECTION 4. First aid measures

4.1. Description of first aid measures

General information:

Symptomatic treatment. In case of health problems consult a doctor. When an accident and sickness occurs, get medical attention and show this safety data sheet. When providing first aid, must not to be affected person grow cold.

Inhalation:

Remove person from contaminated area to fresh air and make sure, that breathes. If the breathing becomes difficult, secure him oxygen supply. Seek physician.

Skin contact:

Take off contaminated clothing. Wash with plenty of soap and water, treat with protective cream. Seek physician.

Contact with eyes:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing minimally 15 minutes. Seek physician immediately.

Ingestion:

If the victim is conscious, let to drink him plenty of water. Do not provoke vomiting! Seek physician immediately.

Other data:

Other information concerning the delivery of first aid measures, especially in serious cases of health damage, the attending physician can consult the procedure :

Novoryt AG, Zietmattweg 14, 4462 Rickenbach BL, Tel : +41 61 985 83 83

4.2. Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

4.3. Indication of any immediate medical attention and special treatment needed

See section 4.1

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Alcohol resistant foam, dry chemical powder, carbon dioxide.

Unsuitable extinguishing media:

Full water jet.

5.2. Special hazards arising from the substance or mixture

Fire will release carbon oxides and harmful gases containing organic derivatives. Vapours may form explosive mixture with air.

5.3. Advice for firefighters

Use protective clothing and self-breathing apparatus (EN 133).

5.4. Other information

Containers exposed to fire cool with water spray. Rests after fire and contaminated extinguishing liquid must be disposed in accordance with locally valid regulations; they must not get in surface or ground waters.

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SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Use suitable personal protective equipment. Prevent entry unauthorized persons. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Take precautionary measures against static discharge. Avoid breathing gas/vapours/ spray.

For emergency responders:

Use suitable personal protective equipment to avoid contact with product.

6.2. Environmental precaution

Prevent spreading of spilled preparation into drains/surface water/ground water. In case of release of the product into water or drains, inform competent authorities and the closest

6.3. Methods and material for containment and cleaning up

Methods of containment of leakage:

After using the product container tightly closed.

Methods for cleaning up:

Pump/remove free liquid to appropriate container. The rest from the contaminated area remove with noncombustible sorbent (sand, earth, vermiculite). Used sorbent then store in container labelled as waste. Disposal see section 13.

Other information:

Are not to disposition

6.4. Reference to other section

See Section 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Do not smoke, drink and eat. Use suitable personal protective equipment to avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. Avoid breathing gas/vapours/ spray. Take off contaminated clothing and wash it before reuse. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed labelled container, protect them from damage. Store in original containers or in containers provided for this purpose. Store in cool, dry place. Store in a well-ventilated place. Vapours may form explosive mixture with air. Keep away from heat/sparks/open flames/hot surfaces. Take precautionary measures against static discharge. Ground/bond container and receiving equipment. In case of increase of temperature, there is risk of increase of pressure in the container and consequent damage of packaging and release of the product.

Incompatible materials: Alkali metals, ammonia, oxidizing agents, peroxides.

7.3. Specific end use(s)

See section 1.2.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

The mixture includes substances for which the following occupational concentration limits are set (NV361/2007 Coll., as amended) (maximum permissible exposure limit = PEL; maximum permissible concentration = MPC).

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Dangerous substances CAS no.

PEL NPK-P mg.m-3

Rosin* 8050-09-7 1 -

Ethanol 64-17-5 1 000 3 000

Methoxypropan-2-ol* 107-98-2 270 550

Note: S* - substance has a sensitizing effect.

D** - exposure is absorbed through the skin.

8.2. Exposure control

Appropriate engineering controls:

Provide well-ventilation of working area (local exhaust ventilation, if necessary).

Do not smoke, drink and eat. After the work is always thoroughly wash and treat with a suitable skin cream. Take off contaminated clothing and wash it before reuse.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Tightly fitting safety glasses

Skin protection:

Suitable protective gloves, resistant to solvents (butyl rubber material - thickness 0,7 mm, penetration time > 480 minutes, natural latex material - thickness of 0.4 mm, penetration time > 120 minutes). The gloves material has to be impermeable and resistant to the product.

Protective clothing, footwear.

Respiratory protection:

In case of well-ventilation is not required. Otherwise, use an appropriate respirator or breathing apparatus (filter A/P2).

Thermal hazard: Not known.

Environmental exposure controls:

Prevent contamination of soil and water. In case of release of the mixture into water or drains, inform competent authorities.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: liquid

Colour: depending on shades

Odour: alcohol

Odour threshold: not determined

pH: not determined

Melting point/ freezing point: not determined

Initial boiling point and boiling range: not determined

Flash point: 19 °C (SN 65 6065)

Evaporation rate: not determined

Flammability (solid, gas): Highly flammable liquid and vapour.

Upper/lower flammability or explosive limits: not determined

Vapour pressure: not determined

Vapour density: not determined

Relative density: not determined

Solubility: not determined

Partition coefficient: n-octanol/water: not determined

Auto-ignition temperature: not determined

Decomposition temperature: not determined

Viscosity: not determined

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Explosive properties: product is not explosive

Vapours may form explosive mixture with air.

Oxidising properties: not determined

9.2. Other information

Data are not available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Product is not reactive under normal conditions of use.

10.2. Chemical stability

Product is chemical stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces and sunlight. Ground/bond container and receiving equipment. In case of increase of temperature, there is risk of increase of pressure in the container and consequent damage of packaging and release of the product.

10.5. Incompatibles materials

Alkali metals, ammonia, oxidizing agents, peroxides.

10.6. Hazardous decomposition products

Fire will release carbon oxides and harmful gases containing organic derivatives.

Vapours may form explosive mixture with air.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Data are not available.

Acute toxicity determined for:

Ethanol: LD50(Rat, oral): 10 470 mg/kg bw (95 % ETOH)

LC50(Rat, inhalation): 124,7 mg/l/4 hours

LD50(Rabbit, dermal): >20 000 ml/kg bw

1-methoxypropan-2-ol: LD50(Rat, oral): 3 739 mg/kg bw

LC50(Rat, inhalation): >7 000 mg/l/6 hours

LD50(Rabbit, dermal): >2 000 ml/kg bw

Skin corrosion/irritation: Data are not available.

Serious eye damage/irritation: Data are not available.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Data are not available.

Carcinogenicity: Data are not available.

Reproductive toxicity: Data are not available.

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: Data are not available.

Aspiration hazard: Data are not available.

Information on likely routes of exposure: Not determined

Symptoms related to the physical, chemical and toxicological characteristics:

Not known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Not known.

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SECTION 12. Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Acute toxicity determined for:

Ethanol: LC50 (Pimephales promelas): 14,2 g/l/96 hours

LC50 (Daphnia magna): > 100 mg/l/96 hours

LC50 (Nostoc species): > 22,6 g/l/10 days

Rosin: EC50 (Daphnia magna): 4,5 mg/l/48 hours

EC50 (Desmodesmus subspicatus): 400 mg/l/72 hours

Ethanol: LC50 (Pimephales promelas): 20 800 g/l/96 hours

EL50 (Daphnia magna): 21 100 mg/l/48 hours

12.2. Persistence and degradability

Biodegradability: 94 % (modified screening OECD test)

12.3. Bioaccumulative potential

Not determined.

Partition coefficient: n-octanol/water (log Kow): -

Bioconcentration factor (BCF): -

12.4. Mobility in soil

Data are not available.

12.5. Results of PBT and vPvB assessment

It has been not done.

12.6. Other adverse effects

Do not empty into surface and ground water and into drains.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Substance treatment methods:

Product has to be disposed as dangerous waste. Product has to be disposed in accordance with law of wastes in valid version and with connecting on legal directives.

Contaminated container treatment methods:

Contaminated container has to be disposed as dangerous waste. Contaminated container has to be disposed in accordance with law of wastes in valid version and with connecting on legal directives.

Other information:

Waste labelling must correspond with European catalogue of waste.

Recommended waste classification:

140603* other solvents and solvent mixtures

150110* packaging containing residues of or contaminated by dangerous substances

SECTION 14. Transport information

14.1. UN number

1170

Labelling:

UN 3175 According Special Provision A46 – not restricted.

14.2. UN proper shipping name

Ethanol (ETHYLALCOHOL)

14.3. Transport hazard class(es)

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14.4. Packing group

III

14.5. Environmental hazards

Yes

14.6. Special precautions for user

Not determined

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not determined

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REGULATION (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC REGULATION (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
CZECH NATIONAL LEGISLATION (Safety, health and environmental regulations):

Act no. 350/2011 Coll., on chemical substances and chemical preparations Decree No. 402/2011 on the assessment of the hazardous properties of chemical substances and mixtures, and packaging and labelling of dangerous chemical compounds

15.2. Chemical safety assessment

It has been not done.

SECTION 16. Other information

List of relevant H-statements (Sections 2. and 3.):

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Advices for training:

Acquaint the workers with this Safety Data Sheet and with general rules of handling with chemical substances/ mixtures. Training carry out once time per year. The details in this safety data sheet are based on our status of knowledge and experience at the time of date issue. They are not a contractual assurance of quality properties of the product, and they apply only in conjunction with correct and proper handling of the product under normal conditions, and according to the details of specified use on the packing and/or in the

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technical instructions. The user himself is fully responsible for every other use of the product such as in combination with other products or with other processes.

Wellspring of information for elaboration of Safety Data Sheet:

Safety Data Sheets of raw materials

MSDS Novoryt Touch up Pen 22.06.2015, supplier Novoryt AG

Database of registered substances ECHA (www.echa.eu) – 20. 2. 2014

Regulatory information (see 15.1)

Revision number 3 occurred to changes in all sections Material Safety Data Sheet.

Abbreviations:

UVCB Unknown or variable composition

PBT Persistent, bioaccumulative and toxic

vPvB Very persistent and very bioaccumulative

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

CSR Chemical Safety Report

ECHA European Chemical Agency

PEL Permissible exposure limit

NPK-P Maximum available concentration

BCF Bioconcentration factor

CAS Chemical Abstracts Service

EINECS Existing Commercial Chemical Substance

STOT Specific target organ toxicity