SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006.

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

1.1. Product identifier:

ROC Narvsværte/Leather Stain, all colours

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

Dyeing of leather, wood, pipes, dried flowers, pottery and eggs

1.3. Details of the supplier of the safety data sheet:

ROC Danmark ApS/ROC Læderpleje
Dunkærgade 16 Tlf.: +45 87 41 66 11
DK-5970 Ærøskøbing www.rocdenmark.com
Denmark
Responsible person for the safety data sheet (e-mail): roc@roc.dk

1.4. Emergency telephone number:

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111
National Poisons Information Centre (Ireland): +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)
Healthcare Professionals: +353 (1) 809 2566 (24-hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Flammable liquid with long-term effects.
CLP (1272/2008): Flam. Liq. 3;H226

2.2. Label elements:

Warning

H226: Flammable liquid and vapour.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
Consumer use, add the following safety sentences:
P102: Keep out of reach of children.
P501: Dispose of contents/container according to national legislation.

2.3. Other hazards:

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.
Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2023/707.

SECTION 3: Composition/information on ingredients

3.2. Mixtures:

% w/w	Name	CAS	EC-no.	Index-no.	REACH reg. no.	Classification	Notes
<20	Ethanol	64-17-5	200-578-6	603-002-00-5	-	Flam. Liq. 2;H225 Eye Irrit. 2;H319	1, 2
<2	Propan-2-ol	67-63-0	200-661-7	603-117-00-0	-	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	1

1) Substance is an organic solvent.
2) SCL (Specific Concentration limits) for classification: Eye Irrit. 2;H319: C ≥ 50% (Reach registrant).
Wording of hazard statements - see section 16.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Remove to fresh air. Keep at rest. In case of discomfort: Seek medical advice.
Skin contact: Remove contaminated clothing and wash with soap and water. If irritation persists: Seek medical advice.
Eye contact: Flush with water or physiological salt water, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.
Ingestion: Rinse mouth and drink plenty of water. Keep at rest. In case of discomfort: Seek medical advice.
Burns: Flush with water until pain ceases.

SECTION 4: First-aid measures (continued)

4.2. Most important symptoms and effects, both acute and delayed:
May cause skin and eye irritation. Prolonged or frequent contact can cause eczema and inflammation of the skin as a result of degreasing. Prolonged inhalation of vapours may result in inflammation of the nose and gastrointestinal tract and damage on liver, kidneys, blood or central nervous system.
4.3. Indication of any immediate medical attention and special treatment needed:
Show this safety data sheet to a physician or emergency ward.

SECTION 5: Firefighting measures

5.1. Extinguishing media:
Use water spray (never water jet), dry chemical, foam or carbon dioxide.
5.2. Special hazards arising from the substance or mixture:
Do not breathe smoke fumes. In case of fire (decomposition) it emits toxic fumes such as carbon oxides.
5.3. Advice for firefighters:
When extinguishing surrounding fires use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment - see section 8. Ventilate area. Remove sources of ignition.
6.2. Environmental precautions:
Do not empty into drains - see section 12. Inform appropriate authorities in accordance with local regulations.
6.3. Methods and material for containment and cleaning up:
Take up with absorbent material (e.g. general-purpose binder) and place in marked container for disposal. Clean with water. Further handling of spillage - see section 13.
6.4. Reference to other sections:
See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:
Avoid breathing vapours. Provide sufficient ventilation. Avoid contact with skin, eyes and clothing. Change contaminated clothes. Wash hands and contaminated areas with water and mild soap after use. Flammable, do not use near fire or sparks. Do not smoke. Required access to water and eye wash fountain.
7.2. Conditions for safe storage, including any incompatibilities:
Store in a well-closed original container and in a flammable liquid storage area. Dry, cool. Keep out of direct sunlight.
7.3. Specific end use(s):
See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters:
Occupational exposure limits, UK (EH40/ed.2020):

Substance	8-hour TWA	15-min STEL	Comments
Ethanol	1000 ppm = 1920 mg/m^3	-	-
Propan-2-ol	400 ppm = 999 mg/m^3	500 ppm = 1250 mg/m^3	-

Occupational exposure limit values, Ireland (2021):

Substance	8-hour TWA	15-min STEL	Notes
Ethanol	-	1000 ppm	-
Propan-2-ol	200 ppm	400 ppm	Sk

Sk: Can be absorbed through the skin.

DNEL/PNEC: No CSR.
8.2. Exposure controls:
Appropriate engineering controls: Provide efficient ventilation.
Personal protective equipment:
Respiratory protection: Normally not necessary by adequate ventilation or short-term use. In case of working in not adequate ventilated areas, use an approved mask (EN140) with a gas filter: type A. The filter has a limited lifetime and must be changed. Read the instruction.
Skin protection: By direct contact with skin or long-term use (>1 hour): Wear protective gloves (EN374) of e.g. nitrile or butyl. Breakthrough time: App. 3 hours (nitrile and butyl).
Eye protection: Use safety goggles (EN ISO 16321-1) when there is a risk of eye contact.
Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Physical state:	Liquid
Colour:	Different colours
Odour:	Characteristic alcohol
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	78
Flammability (solid, gas):	Not relevant
Lower and upper explosion limit (vol-%):	3.5 – 19
Flash point (°C):	39.5
Auto-ignition temperature (°C):	Not determined
Decomposition temperature (°C):	Not determined
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Completely soluble in water
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	0.79
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2. Other information:

None relevant

SECTION 10: Stability and reactivity

10.1. Reactivity:

No available information.

10.2. Chemical stability:

Stable under normal conditions - see section 7.

10.3. Possibility of hazardous reactions:

Vapours can be ignited by a spark, a hot surface or a glow. Vapours may form explosive mixtures with air. Vapours can travel along the ground to an ignition source and flash back to vapor source. Vapours are heavier than air at ordinary temperatures and can therefore drift along the floor, etc.

10.4. Conditions to avoid:

Formation of sparks and glows. Excessive heating and sources of ignition.

10.5. Incompatible materials:

May react with strong oxidising agents.

10.6. Hazardous decomposition products:

When heated to high temperatures (decomposition) it emits toxic fumes such as carbon oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

SECTION 11: Toxicological information (continued)

Hazard class	Data	Test	Reference
Acute toxicity:			
Inhalation	LC_{50} (rat) = 117-125 mg/l/4h (Ethanol)	OECD 403	ECHA
	LC_{50} (rat) = 46,5 mg/L/4h (Isopropanol)	No info	Merck
Dermal	LD_{Lo} (rabbit) = 20000 mg/kg (Ethanol)	No info	IUCLID
	LD_{50} (rabbit) = 12800 mg/kg (Isopropanol)	No info	RTECS
Oral	LD_{50} (rat) = 1780 mg/kg (Ethanol)	No info	IUCLID
	LD_{50} (rat) = 4570 mg/kg (Isopropanol)	No info	ECHA
Corrosion/irritation:	No skin irritation, rabbit (Ethanol)	OECD 404	IUCLID
	None to moderate eye irritation, rabbit (Ethanol)	OECD 405	IUCLID
	Eye irritation, rabbit (Isopropanol)	Draize	IUCLID
Sensitization:	No skin sensitisation, guinea pig (Ethanol)	GPMT etc.	IUCLID
	No skin sensitization, guinea pig (Isopropanol)	Buehler	IUCLID
CMR:	Data for mutagenicity is unambiguous (Ethanol)	Multiple	IUCLID

Information on likely routes of exposure: Skin, lungs and gastrointestinal tract.
Symptoms:
Inhalation: Vapours may irritate the upper respiratory tract and cause discomfort, headache and dizziness.
Skin: May cause irritation and degrease skin.
Eyes: May cause irritation with redness and pain.
Ingestion: May irritate the mucous membranes in mouth, throat and stomach.
Chronic effects: Prolonged or frequent exposure to vapours of volatile organic compounds may result in damage on liver, kidneys, blood or central nervous system. Prolonged or repeated skin contact can cause eczema and lead to cracking, redness, and itching of the skin.

11.2. Information on other hazards:
None known.

SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data	Test (Media)	Reference
Fish	LC_{50} (Pimephales promelas, 96h) = 15300 mg/l (Ethanol)	No info (FW)	IUCLID
Crustacean	EC_{50} (Daphnia magna, 48h) = 9268 - 14221 mg/l (Ethanol)	No info (FW)	IUCLID
Algae	EC_{50} (Scenedesmus subspicatus, 72h) > 1000 mg/l (Propan-2-ol)	No info (FW)	IUCLID

12.2. Persistence and degradability:
Ethanol and Isopropanol are readily biodegradable.
12.3. Bioaccumulative potential:
Ethanol and Isopropanol: Log $K_{ow} < 1$ (no significant bioaccumulation is expected).
12.4. Mobility in soil:
Ethanol and Isopropanol: $K_{oc} \leq 10$ (very large mobility expected in soil).
12.5. Results of PBT and vPvB assessment:
The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.
12.6. Endocrine disrupting properties:
None known.
12.7. Other adverse effects:
None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:
Disposal should be according to local, state or national legislation.
EWC-Code:
20 01 13 (mixture itself)
15 02 02 (paper towel, inert material etc. contaminated with the mixture)

SECTION 14: Transport information

(ADR/RID/IMDG/IATA)
14.1. UN number or ID number: 1170
14.2. UN proper shipping name: ETHANOL SOLUTION
14.3. Transport hazard class(es): 3
14.4. Packing group: III
14.5. Environmental hazards: No.
14.6. Special precautions for user: No
14.7. Maritime transport in bulk according to IMO instruments: Not relevant.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
Must not be used by persons under 18 years of age.
The employer shall assess the working conditions and, if there is any risk to the safety or health and any effects on the pregnancy or breastfeeding of workers, take the necessary measures to adjust the working conditions (Directive 92/85/EEC).
15.2. Chemical safety assessment:
No CSR.

SECTION 16: Other information

Hazard statement mentioned in section 3:
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
Abbreviations:
CMR = Carcinogenicity, mutagenicity and reproductive toxicity.
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level
EC_{50} = Effect Concentration 50 %
ECB = European Chemicals Bureau.
ECHA = European Chemicals Agency
FW = Fresh Water
GPMT = Guinea Pig Maximization Test
LC_{50} = Lethal Concentration 50 %
LD_{50} = Lethal Dose 50 %
LD_{Lo} = Lowest Lethal Dose
PBT = Persistent, Bioaccumulative, Toxic
PNEC = Predicted No-Effect Concentration
SCL = Specific Concentration limits
vPvB = very Persistent, very Bioaccumulative
Literature:
ECHA = REACH Registration dossier from ECHA's homepage.
IUCLID = International Uniform ChemicaL Database Information
Merck (Safety Data Sheet)
RTECS = Register of Toxic Effects of Chemical Substances
Training advice:
No special training is required. However, the user should be well instructed in the execution of the task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.
Changes since the previous edition:
Revision of the format according to Regulation 2020/878.

Prepared by: Altox a/s – Tonsbakken 16-18 – DK-2740 Skovlunde - Phone +45 - 38 34 77 98/ KB - Quality control: PH