

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

1.1 Product identifier

Product form: Mixture
Product name: NANO ECOLINE GRAFFITI Remover
UFI: VHF7-94TA-8E2X-39KT
Art. No: HS-OS-006, HS-OS-012

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

Identified use: For industrial use for professional users. Staining agent; removal of graffiti drawings;
Uses advised against: No further information available

1.3 Details of the supplier providing the safety data sheet

Manufacturer: NanoEnzo B.V.
De Eenruiter 6
3833 SB Leusden
the Netherlands
T +31 850 07 99 00
info@nanoenzo.nl

1.4 Emergency number

Country	Organization/Company	Address	Emergency number	Remark
the Netherlands	the National Poisons Information Center (NVIC)	Utrecht	112 31 88 755 8000	

SECTION 2: Potential hazards

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP].

H302+H332 Harmful if swallowed or inhaled.
H319 Serious eye damage/eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Wording of the H-phrases: See section 16

Harmful physico-chemical, health and environmental effects

No further information available.

2.2 Labeling elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP].

Hazard pictograms (CLP): **GHS07**



Signal word (CLP):

Attention

NANO ECOLINE GRAFFITI REMOVER

Safety data sheet

complies with Regulation (EC) No. 1907/2006 (REACH) including amending Regulation (EU) 2020/878
Issue date: 06.02.2024 Version: 1.0

Hazard statements (CLP)	: H319 - Causes serious eye irritation. H411 - Toxic to aquatic life with long lasting effects.
Safety instructions (CLP)	: P264 - Wash hands, forearms and face thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear eye protection, face protection, protective gloves, protective clothing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Contents/container of a collection point for hazardous or special waste, in accordance with local, regional, national and/or international regulations.

2.3 Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substances listed for endocrine disrupting properties according to REACH Article 59(1) or it has been determined according to the criteria of Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 that it does not contain substances with endocrine disrupting properties in a concentration equal to or greater than 0.1%.

Component	
Substances are not included in the list due to endocrine disrupting properties according to REACH Article 59(1) or it has been determined according to the criteria of Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 that it does not have endocrine disrupting properties.	Benzyl alcohol (100-51-6)

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP].
Benzyl alcohol	CAS No.: 100-51-6 EC No.: 202-859-9 REACH No.: 01-2119492630-38	> 30	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation: dust, mist), H332 Eye Irrit. 2, H319
Isoamyl salicylate	CAS No.: 87-20-7 EC No.: 201-730-4 REACH-Nr.: 01-2120113917-55-0000	5 - 15	Aquatic Chronic 2, H411

Wording of the H-phrases: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhale:	Do not inhale aerosol. If aerosols or mists are formed: Provide fresh air.
Skin contact:	In case of contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of soap and water. Consult a doctor if necessary.
Eye contact:	If the eyelid is open, rinse thoroughly with plenty of water (remove contact lenses if this is easily possible). If symptoms persist, consult an ophthalmologist.
Ingestion:	DO NOT induce vomiting. Rinse mouth with water. Drink plenty of water. After ingestion of larger amounts of substance / in case of complaints, seek medical treatment.

Personal protection for first responders: No data available.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation:	None.
Symptoms/effects after skin contact:	None.
Symptoms/effects after eye contact:	Redness.
Symptoms/effects after ingestion:	No information available.

4.3 Indications for immediate medical attention and specialized treatment:

After ingestion of large quantities of substances: Administration of activated charcoal. Acceleration of gastrointestinal transit.

SECTION 5: Fire-fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents: Water spray jet, foam, extinguishing powder or CO₂.

Unsuitable extinguishing media: Water jet.

5.2 Special hazards arising from the substance or mixture:

Fire hazard: none

Explosion hazard: none

5.3 Instructions for firefighting

Firefighting instructions: No special extinguishing instructions required.

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear personal protective equipment.

6.1.1 Personnel not trained for emergencies: No data available.

6.1.2 Emergency services: No data available.

6.2 Environmental protection measures:

Do not allow to enter wastewater into soil, water bodies, ground water, sewage system.

6.3 Methods and material for containment and cleaning:

Absorb with inert liquid-binding material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pour into labeled, tightly sealable containers. Dispose of in accordance with regulations.

6.4 Reference to other sections:

For personal protective equipment, see section 8. For disposal instructions, see section 13.

SECTION 7: Handling and storage

7.1 Protective measures for safe handling

Handle with care. Avoid leaks.

7.2 Conditions for safe storage in consideration of incompatibilities

Conditions for safe storage:	Keep container tightly closed in a cool, well-ventilated place.
	Protect from frost.

7.3 Specific end usage: Stain and graffiti remover/mordant

SECTION 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Occupational exposure limits

Occupational exposure limits

Chemical name	Kind	Exposure limit values	Source
Benzyl alcohol	MAK No classification	5 ml/m ³ 22 mg/m ³	Germany. DFG-MAK list (recommended occupational exposure limits). Commission for the Investigation of Health Hazards from Chemical Compounds in the Work Area (DFG) (2017)
Isoamyl salicylate (salicylic acid isopentylester)	MAK No classification	not specified	Not specified

Please refer to the latest edition of the relevant source text and consult an industrial hygiene expert or similar specialist or the local authorities for further information.

DNEL and PNEC values: No further information available

8.2 Exposure controls and monitoring

Suitable technical control equipment:

The level of protection and the type of measures depend on the conditions at the workplace. Sufficient ventilation must be provided so that the exposure limit values are not exceeded. Further information can be found in section 7.

Individual protective measures, for example personal protective equipment

Respiratory protection: It is recommended to wear respiratory protection when spraying.

Eye/face protection: Safety goggles with side protection.

Hand protection: Gloves with a penetration time: ≥ 480 min are ideal
Material: Butyl rubber (0.5 mm)
Fluor rubber (0.4 mm)

Skin and body protection Wear suitable protective clothing.



Hygiene measures Do not eat, drink or smoke at work.
Wash hands and / or face before breaks and at the end of work.

Environmental protection measures: See section 6

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Aggregate state	: liquid
Color	: colorless.
Odor	: characteristic
Odor threshold	: Not available
Melting point	: /.
Freezing point	: Not available
Boiling point	: 196 - 250 °C
Flammability	: Not available
Explosive properties	: Not applicable.
Fire-promoting properties	: Not applicable.
Lower explosion limit (LEL)	: 0.9 vol %
Upper explosion limit (OEG)	: 8.7 vol %
Flash point	: 105 °C
Ignition temperature	: /.
Decomposition temperature	: /.
pH value	: /.
Viscosity	
Viscosity, kinematic	: > 1 mm ² /s @ 20°C.
Viscosity, dynamic	: > 1 mPa-s @ 20°C.
Solubility	: Not soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: 9 Pa @ 20°C.
Vapor pressure at 50°C	: Not available
Density	: 1.06 kg/L @ 20°C.
Relative density	: Not available
Relative vapor density at 20°C	: Not available
Particle properties	: Not applicable

9.2 Other information

on physical hazard classes

No further information available.

Other safety-related parameters

No further information available.

SECTION 10: Stability and reactivity

10.1 Reactivity:

No hazardous reactions known if handled as directed.

10.2 Chemical stability:

Stable under specified storage conditions.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Conditions to avoid:

Protect from sunlight and do not expose to temperatures exceeding 50 °C.

10.5 Incompatible materials:

Alkalis. Acids. Oxidizing agents. Reducing agents.

10.6 Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No 1272/2008

Acute toxicity (Oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

NANO ECOLINE Graffiti remover	
LD50 oral rat	/.
LD50 dermal rat	/.
Benzyl alcohol (100-51-6)	
LD50 oral rat	1580 mg/kg (ECHA)
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation - rat	50 mg/l
LC50 inhalation - rat (aerosols)	>4,178 mg/l/4h(ECHA)
Isoamyl salicylate (87-20-7)	
LD50 oral rat	4100 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity at single exposure	: Not classified
Specific target organ toxicity with repeated exposure	: Not classified
Aspiration hazard	: Not classified

NANO ECOLINE Graffiti remover	
Viscosity, kinematic	> 1 mm ² /s @ 20°C.

11.2 Information on other hazards

No further information available

SECTION 12: Environmental information

12.1 Toxicity

Benzyl alcohol (100-51-6)	
LC50 - fish	460 mg/l (exposure time: 96 h)
EC50 - Daphnia magna (Water flea)	230 mg/l (exposure time: 48 h)
EC50 72h - algae	770 mg/l (exposure time: 72 h)
NOEC (acute)	310 mg/l (exposure time: 72 h)

12.2 Persistence and degradability

NANO ECOLINE Graffiti remover	
Persistence and degradability	No data available.
Benzyl alcohol (100-51-6)	
Persistence and degradability	Rapidly degradable (92-96% in 14 days) (ECHA)
Isoamyl salicylate (87-20-7)	
Persistence and degradability	Rapidly degradable (86% in 28 days) (ECHA)

12.3 Bioaccumulative potential

NANO ECOLINE Graffiti remover	
Bioaccumulative potential	No data available.
Benzyl alcohol (100-51-6)	
Bioaccumulative potential	logKOW = 1 (20°C) (ECHA)

12.4 Mobility in soil:

NANO ECOLINE Graffiti remover	
Ecology - Soil	WGK 1 Not soluble in water.
Benzyl alcohol (100-51-6)	
Ecology - Soil	Normalized adsorption coefficient for organic carbon: 1,332 (ECHA)

12.5 Results of PBT and vPvB assessment: No additional information available

12.6 Endocrine disrupting properties: No further information available

12.7 Other adverse effects:

Other hazards: The data available to us does not lead to any environmental labelling.

SECTION 13: Disposal instructions

13.1 Waste treatment processes

Regional waste ordinance:	Comply with local regulations on disposal
Waste treatment methods:	Do not discharge into drains. Dispose of at an authorized collection point.
Contaminated packaging material:	If used packaging cannot be reused after appropriate cleaning, it must be recycled or disposed of in accordance with waste disposal regulations.

SECTION 14: Transport information

Information according to ADR

14.1 UN/ID No.

Not classified as dangerous goods

14.2 UN proper shipping name

Not classified as dangerous goods

14.3 Transport hazard classes

Not classified as dangerous goods

14.4 Packaging group

Not classified as dangerous goods

14.5 Environmental hazards

Not classified as dangerous goods

14.6 Special precautions for the user

Not applicable

14.7 Transport of bulk cargo by sea in accordance with IMO instruments

Not applicable to product as delivered.

SECTION 15: Legislation

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

15.1.1. EU regulations

[REACH Annex XVII \(Restriction list\)](#)

Does not contain substances listed in REACH Annex XVII (Restriction conditions).

[REACH Annex XIV \(Authorization list\)](#)

Does not contain substances listed in REACH Annex XIV (Authorization List).

[REACH candidate list \(SVHC\)](#)

Does not contain any substances listed on the REACH candidate list.

[PIC Regulation \(prior informed consent\)](#)

Does not contain any substances listed on the PIC list (Regulation EU 649/2012 concerning the export and import of dangerous chemicals).

[POP Regulation \(Persistent Organic Pollutants\)](#)

Does not contain any substances listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).

[Ozone Regulation \(1005/2009\)](#)

Does not contain any substances listed on the ozone depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer).

[Dual-use regulation \(428/2009\)](#)

Contains substances subject to COUNCIL REGULATION (EC) No 428/2009 of May 5, 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

[Industrial Emissions Directive \(IED\)](#)

VOC content: 0 %

[Regulation on explosives precursors \(EU 2019/1148\)](#)

Does not contain substances on the list of explosives precursors (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

[Drug Precursor Regulation \(EC 273/2004\)](#)

Does not contain substances listed on the Drug Precursors List (Regulation EC 273/2004 on the manufacture and placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2 Chemical safety assessment:

No further data available.

SECTION 16: Other information

Full text of H- and EUH-phrases:

Acute Tox. 4 (Inhalation: dust, mist)	Acute toxicity (inhalation: dust, mist), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), category 4
Aquatic Chronic 2	Chronically hazardous to the aquatic environment, category 2
Eye Irrit. 2	Serious eye damage/eye irritation, category 2
H302+H332	Harmful if swallowed or inhaled
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic organisms, with long lasting effects.

Safety Data Sheet (SDS), EU

Information on revision, disclaimer:

This information is based on our current knowledge and is only intended to describe the product in terms of health, safety and environmental conditions. It should therefore not be construed as a guarantee for specific properties of the product.