

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/22/2022

Reviewed on 08/22/2022

1 Identification

- **Product identifier**
 - **Trade name: ROMPOX-PROFI EASY**
 - **Application of the substance / the mixture** Binder
 - **Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
ROMEX Produktionsgesellschaft mbH
Mühlgrabenstraße 19
D-53340 MECKENHEIM
DEUTSCHLAND
H.Blaesner@romex-rpg.de
 - **Information department:** Abteilung Produktsicherheit
 - **Emergency telephone number:**
American Association of Poison Control Centers
poisonhelp.org
<https://www.aapcc.org/centers>
Tel.: +1-800-222-1222 (24h)
- Giftnotrufzentrale BONN, Germany
Tel.: 0049(0)228-19240
- ROMEX, Abtlg. Produktsicherheit von 08:00-17:00 : +49 (0)2225 70954-10

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Toxic to Reproduction 2

H361 Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Repeated Exposure 2

H373 May cause damage to organs through prolonged or repeated exposure.

Flammable Liquids 4

H227 Combustible liquid.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS08

- **Signal word** Warning

- **Hazard-determining components of labeling:**

2-ethylhexanoic acid, manganese salt

- **Hazard statements**

Combustible liquid.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.

- **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from flames and hot surfaces. – No smoking.

Do not breathe dust/fume/gas/mist/vapors/spray.

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

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 2

Reactivity = 0

· **HMS-ratings (scale 0 - 4)**



Health = 0

Fire = 2

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	<1.5%
15956-58-8	2-ethylhexanoic acid, manganese salt	0.9–<1.35%
22464-99-9	2-ethylhexanoic acid, zirconium salt	0.25–<0.5%
149-57-5	2-ethylhexanoic acid	0.18–<0.45%

4 First-aid measures

· **Description of first aid measures**

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **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.

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5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.
- **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**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **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 disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	9.3 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	350 mg/m ³
149-57-5	2-ethylhexanoic acid	15 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	350 mg/m ³

- **PAC-2:**

2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	100 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	1,800 mg/m ³
149-57-5	2-ethylhexanoic acid	99 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	1,800 mg/m ³

- **PAC-3:**

2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	230 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m ³
149-57-5	2-ethylhexanoic acid	590 mg/m ³
64742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

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- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 10
- **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 following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

149-57-5 2-ethylhexanoic acid

TLV	Long-term value: 5* mg/m ³ *as inhalable fraction and vapor
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

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**
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 break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Fluid
· Color:	Yellow tint
· Odor:	Characteristic
· Odor threshold:	Not determined.

· pH-value: $\beta = 0,1\text{g/cm}^3$ in H₂O

· Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	175 °C (347 °F)

· Flash point: 78 °C (172.4 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 236 °C (456.8 °F)

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Not determined.

· Explosion limits:

· Lower:	0.5 Vol %
· Upper:	6.5 Vol %

· Vapor pressure at 20 °C (68 °F): 2 hPa (1.5 mm Hg)

· Density at 20 °C (68 °F): 0.9 g/cm³ (7.5105 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with

· Water: Fully miscible.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

· Dynamic at 20 °C (68 °F):	990 mPas
· Kinematic:	Not determined.

· Solvent content:

· Organic solvents:	0.4–<1 %
· VOC content:	0.43–<0.95 %
	8.5 g/l / 0.07 lb/gal

· Solids content: >98.7–99.4 %

· Other information: No further relevant information available.

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10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **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:**

22464-99-9 2-ethylhexanoic acid, zirkonium salt

Oral	LD50	2,043 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>5 mg/l (rat)

149-57-5 2-ethylhexanoic acid

Oral	LD50	3,000 mg/kg (rat)
Dermal	LD50	1,260 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Subacute to chronic toxicity:**

- **Result:**

15956-58-8 2-ethylhexanoic acid, manganese salt

Oral	DNEL-Consumer	2.5 mg/kg
Dermal	DNEL-Worker	12 mg/kg bw/day
	DNEL-Consumer	6 mg/kg
Inhalative	DNEL-Worker	32 mg/m ³
	DNEL-Consumer	8 mg/m ³

22464-99-9 2-ethylhexanoic acid, zirkonium salt

Oral	DNEL-Consumer	7.9 mg/kg
Dermal	DNEL-Worker	15.75 mg/kg bw/day
	DNEL-Consumer	7.9 mg/kg
Inhalative	DNEL-Worker	5 mg/m ³
	DNEL-Consumer	2.5 mg/m ³

149-57-5 2-ethylhexanoic acid

Oral	DNEL-Consumer	1 mg/kg
Dermal	DNEL-Worker	2 mg/kg bw/day
	DNEL-Consumer	1 mg/kg
Inhalative	DNEL-Worker	14 mg/m ³
	DNEL-Consumer	3.5 mg/m ³

- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

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- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

15956-58-8 2-ethylhexanoic acid, manganese salt

PNEC-freshwater	0.36 mg/l
PNEC-marine water	0.036 mg/l
PNEC-sediment (sea water)	0.637 mg/kg
PNEC-sediment (freshwater)	6.37 mg/kg
PNEC-STP	71.7 mg/l
PNEC-soil	1.06 mg/kg
PNEC-intermittend release	0.493 mg/l

22464-99-9 2-ethylhexanoic acid, zirkonium salt

PNEC-soil	1.06 mg/l
PNEC-sediment (sea water)	0.036 mg/kg
PNEC-sediment (freshwater)	6.37 mg/kg
PNEC-STP	71.7 mg/l
PNEC-intermittend release	0.493 mg/l

149-57-5 2-ethylhexanoic acid

PNEC-freshwater	0.36 mg/l
PNEC-marine water	0.036 mg/l
PNEC-sediment (sea water)	0.637 mg/kg
PNEC-sediment (freshwater)	6.37 mg/kg
PNEC-STP	71.7 mg/l
PNEC-soil	1.06 mg/kg
PNEC-intermittend release	0.493 mg/l

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, ADN, IMDG, IATA | not regulated |
| · UN proper shipping name | |
| · DOT, ADN, IMDG, IATA | not regulated |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | not regulated |
| · Packing group | |
| · DOT, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

68649-95-6	Leinölfirnis	ACTIVE
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	ACTIVE
204336-40-3	Oxirane, methyl-, polymer with oxirane, mono(3,5,5-trimethylhexyl) ether	ACTIVE
15956-58-8	2-ethylhexanoic acid, manganese salt	ACTIVE
22464-99-9	2-ethylhexanoic acid, zirkonium salt	ACTIVE
64742-48-9	Naphtha (petroleum), hydrotreated heavy	ACTIVE
149-57-5	2-ethylhexanoic acid	ACTIVE
64742-48-9	Naphtha (petroleum), hydrotreated heavy	ACTIVE

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- **Hazardous Air Pollutants**

15956-58-8	2-ethylhexanoic acid, manganese salt
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- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS08

- **Signal word** Warning

- **Hazard-determining components of labeling:**

2-ethylhexanoic acid, manganese salt

- **Hazard statements**

Combustible liquid.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.

- **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from flames and hot surfaces. – No smoking.

Do not breathe dust/fume/gas/mist/vapors/spray.

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

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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

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.

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- **Department issuing SDS:** Abteilung Umweltschutz
- **Contact:** Hr. Blaesner
- **Date of preparation / last revision** 08/22/2022 / -
- **Abbreviations and acronyms:**
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)
 - VOC: Volatile Organic Compounds (USA, EU)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - NIOSH: National Institute for Occupational Safety
 - OSHA: Occupational Safety & Health
 - TLV: Threshold Limit Value
 - PEL: Permissible Exposure Limit
 - REL: Recommended Exposure Limit
 - Flammable Liquids 4: Flammable liquids – Category 4
 - Toxic to Reproduction 2: Reproductive toxicity – Category 2
 - Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2
- *** Data compared to the previous version altered.**

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