

Safety Data Sheet
REGULATORY REACH 1907/2006
1550006 IKONIKOLOR PRO 550 EPOXY PRIMER GREY BASE



Safety Data Sheet dated 4/4/2023, version 1

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

1.1. Product identifier

Mixture identification:

Trade name : IKONIKOLOR PRO 550 EPOXY PRIMER GREY BASE

Trade code : 1550006

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

Product type and use: Painting product for car refinish and industrial job-professional use-

1.3. Details of the supplier of the safety data sheet

Supplier: Modern Recreational Technologies, Inc.
2220 Highway 70 SE., Suite 100 Hickory, NC 28602
800-728-8258

Competent person responsible for the safety data sheet:

1.4. Emergency telephone number

Chemtrec: +1-800-424-9300 USA







Chemtrec: +1 703-527-3887 ex-USA

24 hrs./day, 7 days/week

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

-  Warning, Flam. Liq. 3, Flammable liquid and vapour.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2, Causes serious eye irritation.
-  Warning, Skin Sens. 1, May cause an allergic skin reaction.
-  Warning, STOT SE 3, May cause drowsiness or dizziness.
-  Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

DECL10: This titanium dioxide-containing product is not classified as carcinogen by inhalation because it does not meet the criteria stated in Note 10, Annex VI of Regulation (EC) 1272/2008.

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

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Warning

Hazard statements:

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat - No smoking.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
- P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.
- P391 Collect spillage.
- P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

- EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Contains

RESINA EPOSSIDICA

1-methoxy-2-propanol; monopropylene glycol methyl ether

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified

Special provisions according to Annex XVII of REACH and subsequent amendments:

Restricted to professional users.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 15\%$ $< 20\%$	RESINA EPOSSIDICA	CAS: 25036-25-3	3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.4.2/1 Skin Sens. 1 H317
$\geq 10\%$ $< 12,5\%$	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: CAS: 107-98-2 EC: 203-539-1 REACH No.: 01-21194574	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336

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		35-35		
>=7% -< 10%	trizinc bis(orthophosphate)	CAS: EC: REACH No.:	7779-90-0 231-944-3 01-21194850 44-40	4.1/C1 Aquatic Chronic 1 H410
>=7% -< 10%	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	Index number: CAS: EC: REACH No.:	649-356-00-4 64742-95-6 265-199-0 01-21194558 51-35	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H335 3.8/3 STOT SE 3 H336 3.10/1 Asp. Tox. 1 H304 4.1/C2 Aquatic Chronic 2 H411 DECLP (CLP)*
>=7% -< 10%	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm]	Index number: CAS: EC:	022-006-00-2 13463-67-7 236-675-5	3.6/2 Carc. 2 H351
>=7% -< 10%	xylene	Index number: CAS: EC: REACH No.:	601-022-00-9 1330-20-7 215-535-7 01-21194882 16-32	2.6/3 Flam. Liq. 3 H226 4.1/C3 Aquatic Chronic 3 H412 3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Inhal Acute Tox. 4 H332 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 3.10/1 Asp. Tox. 1 H304 3.9/2 STOT RE 2 H373
>=1% -< 3%	SILANO	CAS: EC: REACH No.:	2530-83-8 219-784-2 01-21195132 12-58	3.3/1 Eye Dam. 1 H318
>=0,5% -< 1%	ethylbenzene	Index number: CAS: EC: REACH No.:	601-023-00-4 100-41-4 202-849-4 01-21194893 70-35	2.6/2 Flam. Liq. 2 H225 4.1/C3 Aquatic Chronic 3 H412 3.1/4/Inhal Acute Tox. 4 H332 3.10/1 Asp. Tox. 1 H304 3.9/2 STOT RE 2 H373
>=0,1% -< 0,25%	ethanol; ethyl alcohol	Index number: CAS: EC:	603-002-00-5 64-17-5 200-578-6	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319
899 ppm	methanol	Index number: CAS: EC:	603-001-00-X 67-56-1 200-659-6	2.6/2 Flam. Liq. 2 H225 3.1/1/Inhal Acute Tox. 1 H330 3.1/3/Dermal Acute Tox. 3

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			H311  3.1/3/Oral Acute Tox. 3 H301  3.8/1 STOT SE 1 H370
439 ppm	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01-21194854 93-29	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336
39 ppm	butan-1-ol; n-butanol	Index number: 603-004-00-6 CAS: 71-36-3 EC: 200-751-6 REACH No.: 01-21194846 30-38	 2.6/3 Flam. Liq. 3 H226  3.3/1 Eye Dam. 1 H318  3.1/4/Oral Acute Tox. 4 H302  3.2/2 Skin Irrit. 2 H315  3.8/3 STOT SE 3 H335  3.8/3 STOT SE 3 H336
29 ppm	2-methoxy-1-methylethyl acetate	Index number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 REACH No.: 01-21194757 91-29	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336
19 ppm	2-butoxyethanol; ethylene glycol monobutyl ether	Index number: 603-014-00-0 CAS: 111-76-2 EC: 203-905-0 REACH No.: 01-21194751 08-36	 3.1/3/Inhal Acute Tox. 3 H331  3.1/4/Oral Acute Tox. 4 H302  3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319 Acute Toxicity Estimate: ATE - Oral 1200 mg/kg bw ATE - Inhalation (Vapours) 3 mg/l

*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Eines No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

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In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

No data available

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a dry powder fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

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Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.
Store between 5 and 35°C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
National - TWA: 375 mg/m³, 100 ppm - STEL: 568 mg/m³, 150 ppm - Notes: pelle
EU - TWA(8h): 375 mg/m³, 100 ppm - STEL: 563 mg/m³, 150 ppm - Notes: Skin
ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm] - CAS: 13463-67-7
ACGIH - TWA(8h): 0.2 mg/m³ - Notes: Nanoscale particles; (R); A3 - LRT irr, pneumoconiosis
ACGIH - TWA(8h): 2.5 mg/m³ - Notes: Finescale particles; (R); A3 - LRT irr, pneumoconiosis
xylene - CAS: 1330-20-7
National - TWA: 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: pelle
EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair
ethylbenzene - CAS: 100-41-4
EU - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: OTO; A3, BEI - URT & eye irr; ototoxicity; kidney eff; CNS impair
ethanol; ethyl alcohol - CAS: 64-17-5
ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr
methanol - CAS: 67-56-1
EU - TWA(8h): 260 mg/m³, 200 ppm - Notes: Skin
ACGIH - TWA(8h): 200 ppm - STEL: 250 ppm - Notes: Skin, BEI - Headache, eye dam, dizziness, nausea
n-butyl acetate - CAS: 123-86-4
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
EU - TWA(8h): 241 mg/m³, 50 ppm - STEL: 723 mg/m³, 150 ppm
butan-1-ol; n-butanol - CAS: 71-36-3
ACGIH - TWA(8h): 20 ppm - Notes: Eye and URT irr

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2-methoxy-1-methylethyl acetate - CAS: 108-65-6

EU - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Notes: Skin

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

EU - TWA(8h): 98 mg/m³, 20 ppm - STEL: 246 mg/m³, 50 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - Eye and URT irr

10 - TWA(8h): 98 mg/m³, 20 ppm - STEL: 246 mg/m³, 50 ppm - Notes: pelle

DNEL Exposure Limit Values

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Worker Professional: 553.5 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 50.6 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 369 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

trizinc bis(orthophosphate) - CAS: 7779-90-0

Worker Professional: 5 mg/kg - Exposure: Human Inhalation

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified - CAS: 64742-95-6

Worker Professional: 25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 150 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 32 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

xylene - CAS: 1330-20-7

Worker Professional: 3182 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 442 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 221 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 221 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects

SILANO - CAS: 2530-83-8

Worker Professional: 21 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Professional: 147 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 21 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 147 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

ethanol; ethyl alcohol - CAS: 64-17-5

Worker Professional: 1000 ppm - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 500 ppm - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

n-butyl acetate - CAS: 123-86-4

Worker Professional: 960 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

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Worker Professional: 960 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 480 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 480 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 859.7 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 859.7 mg/kg - Exposure: Human Inhalation - Frequency: Short Term (acute)

butan-1-ol; n-butanol - CAS: 71-36-3

Worker Professional: 310 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 310 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

Worker Professional: 75 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 98 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Target: Fresh Water - Value: 10 mg/l

Target: Marine water - Value: 1 mg/l

Target: 08 - Value: 100 mg/l

Target: Freshwater sediments - Value: 41.6 mg/kg

Target: Marine water sediments - Value: 4.17 mg/kg

Target: Soil (agricultural) - Value: 2.47 mg/kg

xylene - CAS: 1330-20-7

Target: Fresh Water - Value: 0.327 mg/l

Target: Marine water - Value: 0.327 mg/l

Target: Marine water sediments - Value: 12.46 mg/l

Target: Freshwater sediments - Value: 12.46 mg/l

Target: 09 - Value: 6.58 mg/l

Target: Soil (agricultural) - Value: 2.31 mg/kg

Target: 08 - Value: 0.327 mg/l

SILANO - CAS: 2530-83-8

Target: Fresh Water - Value: 1 mg/l

Target: Marine water - Value: 0.1 mg/l

Target: 08 - Value: 1 mg/l

Target: Freshwater sediments - Value: 0.79 mg/kg

Target: Soil (agricultural) - Value: 0.13 mg/kg

Target: 09 - Value: 10 mg/l

ethanol; ethyl alcohol - CAS: 64-17-5

Target: Fresh Water - Value: 0.96 mg/l

Target: Marine water - Value: 0.79 mg/l

Target: 08 - Value: 2.75 mg/l

Target: Freshwater sediments - Value: 3.6 mg/kg

Target: Marine water sediments - Value: 2.9 mg/kg

n-butyl acetate - CAS: 123-86-4

Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water - Value: 0.018 mg/l

Target: 08 - Value: 0.36 mg/l

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Target: 09 - Value: 35.6 mg/l
Target: Freshwater sediments - Value: 0.981 mg/kg
Target: Marine water sediments - Value: 0.0981 mg/kg
Target: Soil (agricultural) - Value: 0.0903 mg/kg
butan-1-ol; n-butanol - CAS: 71-36-3
Target: Fresh Water - Value: 0.082 mg/l
Target: Marine water - Value: 0.0082 mg/l
Target: 08 - Value: 2.25 mg/l
Target: 09 - Value: 2476 mg/l
Target: Freshwater sediments - Value: 0.178 mg/kg
Target: Marine water sediments - Value: 0.0178 mg/kg
Target: Soil (agricultural) - Value: 0.015 mg/kg
2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2
Target: 08 - Value: 463 mg/l
Target: Fresh Water - Value: 34.6 mg/kg
Target: Marine water - Value: 3.46 mg/kg
Target: Soil (agricultural) - Value: 3.13 mg/kg

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment. es. CEN/FFP-2 o CEN/FFP-3

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	N.A.	--	--
Odour:	CHARACTERISTIC	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	> 35 gradi C.	--	--
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>= 23	--	--

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Auto-ignition temperature:	400 gradi C.	--	--
Decomposition temperature:	N.A.	--	--
pH:		--	--
Kinematic viscosity:	> 20,5 mm ² /sec (40 °C)	--	--
Solubility in water:	Insolubile	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.D.	--	--
Density and/or relative density:	1.57 Kg/L	--	--
Relative vapour density:	>Air	--	--

Particle characteristics:

Particle size:	N.A.	--	--
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9.2. Other information

Properties	Value	Method:	Notes:
Explosive properties:	2/11 % Volume	--	--
Oxidizing properties:	N.D.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.)

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

RESINA EPOSSIDICA - CAS: 25036-25-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3500 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 17800 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 4000 mg/l - Duration: 4h

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

a) acute toxicity:

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Test: LD50 - Route: Oral - Species: Rat = 5660 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 9999.99 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 25.8 mg/l - Duration: 4h

trizinc bis(orthophosphate) - CAS: 7779-90-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 5000 mg/kg

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified - CAS: 64742-95-6

a) acute toxicity:

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 6193 mg/m³ - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg

Test: LD50 - Route: Oral - Species: Rat 3492 mg/kg

b) skin corrosion/irritation:

Test: Eye Irritant - Species: Rabbit 100 ul/kg

Test: Skin Irritant - Route: Skin - Species: Rabbit

xylene - CAS: 1330-20-7

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 5000 Ppm - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 1700 mg/kg

SILANO - CAS: 2530-83-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 8025 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5300 mg/l

Test: LD50 - Route: Skin - Species: Rabbit = 4250 mg/kg

ethylbenzene - CAS: 100-41-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3500 mg/kg

ethanol; ethyl alcohol - CAS: 64-17-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 7060 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 20000 mg/l - Duration: 4h

n-butyl acetate - CAS: 123-86-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 10000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 21.1 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

butan-1-ol; n-butanol - CAS: 71-36-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2292 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 17.76 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit = 3430 mg/kg

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 2000 Ppm - Duration: 2H

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 450 Ppm - Duration: 4h

ATE - Oral 1200 mg/kg bw

ATE - Inhalation (Vapours) 3 mg/l

Test: LD50 - Route: Oral - Species: Rat = 1746 mg/kg

ATE - Oral 1200 mg/kg bw

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ATE - Inhalation (Vapours) 3 mg/l
Test: LD50 - Route: Skin - Species: Rat = 6411 mg/kg
ATE - Oral 1200 mg/kg bw
ATE - Inhalation (Vapours) 3 mg/l
xylene - CAS: 1330-20-7
OBSERVATIONS ON HUMAN SUBJECTS NON-PROFESSIONAL EXPOSURED-
Effects following acute exposure:
Symptoms of intense exposure are: dermatitis, eczema, irritation to the eyes and to the respiratory tract.
Inhaling the vapours can cause dizziness, headache, nausea, incoordination, excitability, narcosis, anaemia, and paraesthesia of the hands and feet.
PROFESSIONAL EXPOSURED- Effects following acute exposure:
Narcotic at high concentrations.
Irritation through inhalation at 200 ppm (TCLo). Inhalation of 200 ppm has irritating effects in human subjects.
Human subject (oral)(LDLo): 50 mg/kg.
Inhalatory human subject (LCLo) 10000 ppm/6h.

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

- a) acute toxicity;
 - b) skin corrosion/irritation;
 - c) serious eye damage/irritation;
 - d) respiratory or skin sensitisation;
 - e) germ cell mutagenicity;
 - f) carcinogenicity;
 - g) reproductive toxicity;
 - h) STOT-single exposure;
 - i) STOT-repeated exposure;
 - j) aspiration hazard.
- 11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt sound working practices, so that the product is not released into the environment.

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Fish > 100 mg/l

Endpoint: EC50 - Species: Algae > 100 mg/l

Endpoint: LC50 - Species: Fish > 100 mg/l

Endpoint: LC50 - Species: Algae > 100 mg/l

Endpoint: LC50 - Species: Fish = 6812 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia 21000-25900 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 168

trizinc bis(orthophosphate) - CAS: 7779-90-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.2 mg/l

Endpoint: EC50 - Species: Daphnia = 0.45 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 0.143 mg/l - Duration h: 72

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Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified - CAS: 64742-95-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 3.2 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 9.2 mg/l - Duration h: 96

xylene - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 21 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 29 mg/l - Duration h: 96

Endpoint: EC50 - Species: Fish = 35 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 165 mg/l - Duration h: 24

SILANO - CAS: 2530-83-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 55 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 119 mg/l - Duration h: 504

Endpoint: NOEC - Species: Algae 50 mg/l - Duration h: 504

ethanol; ethyl alcohol - CAS: 64-17-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 13.6 g/m³ - Duration h: 96

n-butyl acetate - CAS: 123-86-4

e) Plant toxicity:

Endpoint: EC50 - Species: Algae = 675 mg/l - Duration h: 72

butan-1-ol; n-butanol - CAS: 71-36-3

e) Plant toxicity:

Endpoint: EC50 - Species: Fish = 225 mg/l - Duration h: 96

f) Effects in sewage plants:

Endpoint: EC50 = 2476 mg/l - Duration h: 17

2-butoxyethanol; ethylene glycol monobutyl ether - CAS: 111-76-2

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1550 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 911 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 1474 mg/kg - Duration h: 96

12.2. Persistence and degradability

None

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

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- 14.1. UN number or ID number
ADR-UN Number: 1263
IATA-UN Number: 1263
IMDG-UN Number: 1263
- 14.2. UN proper shipping name
ADR-Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
IATA-Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
IMDG-Shipping Name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)
- 14.3. Transport hazard class(es)
ADR-Class: 3
ADR - Hazard identification number: 30
IATA-Class: 3
IMDG-Class: 3
- 14.4. Packing group
ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III
- 14.5. Environmental hazards
IMDG-Marine pollutant: NO
IMDG-EmS: F-E,
S-E
- 14.6. Special precautions for user
ADR-Subsidiary hazards: -
ADR-S.P.: 163 367 640E 650
ADR-Transport category (Tunnel restriction code): 3 (D/E)
IATA-Passenger Aircraft: 355
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 366
IATA-S.P.: A3 A72 A192
IATA-ERG: 3L
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -
- 14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 28

Restriction 29

Restriction 69

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c, E2

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Text of phrases referred to under heading 3:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H226 Flammable liquid and vapour.

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H336 May cause drowsiness or dizziness.
H410 Very toxic to aquatic life with long lasting effects.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
H351 Suspected of causing cancer if inhaled.
H412 Harmful to aquatic life with long lasting effects.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H318 Causes serious eye damage.
H225 Highly flammable liquid and vapour.
H373 May cause damage to organs (hearing organs) through prolonged or repeated exposure.
H330 Fatal if inhaled.
H311 Toxic in contact with skin.
H301 Toxic if swallowed.
H370 Causes damage to organs.
H302 Harmful if swallowed.
H331 Toxic if inhaled.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 1	3.1/1/Inhal	Acute toxicity (inhalation), Category 1
Acute Tox. 3	3.1/3/Dermal	Acute toxicity (dermal), Category 3
Acute Tox. 3	3.1/3/Inhal	Acute toxicity (inhalation), Category 3
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Carc. 2	3.6/2	Carcinogenicity, Category 2
STOT SE 1	3.8/1	Specific target organ toxicity - single exposure, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.