

Safety Data Sheet

REGULATORY REACH 1907/2006

1100006 IKONIKOLOR PRO 1000 HIGH PERFORMANCE CLEAR COAT 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 1000 HIGH PERFORMANCE CLEAR COAT BASE

Trade code : 1100006

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 Sens. 1A, May cause an allergic skin reaction.

 Warning, STOT SE 3, May cause drowsiness or dizziness.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 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.

Precautionary statements:

P210 Keep away from heat - No smoking.

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P261 Avoid breathing vapours.

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.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Contains

n-butyl acetate

2-methoxy-1-methylethyl acetate

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl

1,2,2,6,6-pentamethyl-4-piperidyl sebacate

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
$\geq 30\%$ $< 40\%$	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
$\geq 7\%$ - $< 10\%$	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
$\geq 3\%$ - $< 5\%$	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	Index number: 649-356-00-4 CAS: 64742-95-6 EC: 265-199-0 REACH No.: 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)*
$\geq 1\%$ - $< 3\%$	2-butoxyethyl acetate; butylglycol acetate	Index number: 607-038-00-2	 3.1/4/Dermal Acute Tox. 4 H312

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		CAS: 112-07-2 EC: 203-933-3 REACH No.: 01-21194751 12-47	 3.1/4/Inhal Acute Tox. 4 H332  3.1/4/Oral Acute Tox. 4 H302
>=1% -< 3%	pentyl acetate	Index number: 607-130-00-2 CAS: 628-63-7 EC: 211-047-3	 2.6/3 Flam. Liq. 3 H226
>=0,5% -< 1%	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	CAS: 1065336-91-5 REACH No.: 01-21194913 04-40	 3.4.2/1A Skin Sens. 1A H317  4.1/A1 Aquatic Acute 1 H400  4.1/C1 Aquatic Chronic 1 H410
>=0,25% -< 0,5%	ACETATO SI 2-METILBUTILE	CAS: 624-41-9 EC: 210-843-8	 2.6/3 Flam. Liq. 3 H226
>=0,25% -< 0,5%	xylene	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 REACH No.: 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
750 ppm	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1 REACH No.: 01-21194574 35-35	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336
720 ppm	Methyl methacrylate	CAS: 80-62-6 REACH No.: 01-21194524 98-28	 2.6/2 Flam. Liq. 2 H225  3.2/2 Skin Irrit. 2 H315  3.4.2/1 Skin Sens. 1 H317  3.8/3 STOT SE 3 H335
709 ppm	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 REACH No.: 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
300 ppm	ACETATO DI ISOPENTILE	Index number: 607-130-00-2 CAS: 123-92-2 EC: 204-662-3	 4.1/C3 Aquatic Chronic 3 H412  2.6/3 Flam. Liq. 3 H226

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*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 (Einecs 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.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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.

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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.

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

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

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-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

EU - TWA(8h): 133 mg/m³, 20 ppm - STEL: 333 mg/m³, 50 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A3 - Hemolysis

pentyl acetate - CAS: 628-63-7

EU - TWA(8h): 270 mg/m³, 50 ppm - STEL: 540 mg/m³, 100 ppm

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: URT irr

ACETATO SI 2-METILBUTILE - CAS: 624-41-9

EU - TWA(8h): 270 mg/m³, 50 ppm - STEL: 540 mg/m³, 100 ppm

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: URT irr

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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

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

Methyl methacrylate - CAS: 80-62-6

EU - TWA(8h): 50 ppm - STEL: 100 ppm

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: DSEN, A4 - URT and eye irr, body weight eff, pulm edema

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

ACETATO DI ISOPENTILE - CAS: 123-92-2

EU - TWA(8h): 270 mg/m³, 50 ppm - STEL: 540 mg/m³, 100 ppm

ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: URT irr

DNEL Exposure Limit Values

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

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

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)

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

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

Worker Professional: 102 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 133 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

pentyl acetate - CAS: 628-63-7

Worker Professional: 266.26 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

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- Worker Professional: 31.55 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
- Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5
- Worker Professional: 2.5 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
- Worker Professional: 2.35 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
- Worker Professional: 2.35 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- Worker Professional: 2.5 mg/kg - Exposure: Human Dermal - 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
- 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
- PNEC Exposure Limit Values
- 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
- 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
- 2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2
- Target: Fresh Water - Value: 0.304 mg/l
- Target: Marine water - Value: 0.0304 mg/l
- Target: 08 - Value: 0.56 mg/l
- Target: Freshwater sediments - Value: 2.03 mg/kg
- Target: Marine water sediments - Value: 0.203 mg/kg
- Target: Soil (agricultural) - Value: 0.68 mg/kg
- Target: 09 - Value: 90 mg/l
- pentyl acetate - CAS: 628-63-7
- Target: Fresh Water - Value: 0.041 mg/l
- Target: 09 - Value: 72 mg/l
- Target: Soil (agricultural) - Value: 0.033 mg/kg
- Target: Marine water sediments - Value: 0.0286 mg/kg
- Target: Freshwater sediments - Value: 0.286 mg/kg
- Target: 08 - Value: 0.41 mg/l
- Target: Marine water - Value: 0.0041 mg/l

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Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl

1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5

Target: Fresh Water - Value: 0.0022 mg/l

Target: Marine water - Value: 0.00022 mg/l

Target: 08 - Value: 0.009 mg/l

Target: Freshwater sediments - Value: 1.05 mg/kg

Target: Marine water sediments - Value: 0.11 mg/kg

Target: Soil (agricultural) - Value: 0.21 mg/kg

Target: 09 - Value: 1 mg/l

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

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

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	> 35 gradi C.	--	--

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boiling point and boiling range:			
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>= 23	--	--
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 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:

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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

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

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

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1880 mg/kg

Test: LD50 - Route: Inhalation - Species: Rat > 3.91 mg/kg - Duration: 8h

Test: LD50 - Route: Skin - Species: Rabbit = 1500 mg/kg

pentyl acetate - CAS: 628-63-7

a) acute toxicity:

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

Test: LC50 - Route: Inhalation - Species: Rat > 19.25 mg/l

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

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 3230 mg/kg

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

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

a) acute toxicity:

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

ethylbenzene - CAS: 100-41-4

a) acute toxicity:

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

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

OBSERVATIONS ON HUMAN SUBJECTS:

Inhalation: 3300 ppm (16 mg/l), for short periods, cause serious irritation to the eyes and to the nose.

Inhalation: 200-300 ppm (1-1.4 mg/l), for short periods, cause moderate irritation to the eyes and to the nose.

Inhaling the vapours can irritate the respiratory system.

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The vapours can cause headache and nausea. As a liquid it can irritate the eyes and cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes inebriation, hallucinations and sedation.

Symptoms of illness at 500 ppm. Serious toxic effects at 2,000 ppm for 60 min.

TCLo: 200 ppm

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.

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

e) Plant toxicity:

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

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

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

e) Plant toxicity:

Endpoint: EC50 - Species: Algae = 1570 mg/l - Duration h: 72

pentyl acetate - CAS: 628-63-7

e) Plant toxicity:

Endpoint: EC50 - Species: Algae > 466 mg/l - Duration h: 72

f) Effects in sewage plants:

Endpoint: EC50 > 1000 mg/l - Duration h: 0.5

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

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

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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

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



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

IATA-Label: 3

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IMDG-Class:	3
14.4. Packing group	
ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards	
ADR-Environmental Pollutant:	NO
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

- 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:

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Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 28

Restriction 29

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

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:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H335 May cause respiratory irritation.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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

H225 Highly flammable liquid and vapour.

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

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. 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 Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A

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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 Acute 1	4.1/A1	Acute aquatic hazard, category 1
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]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Skin Sens. 1A, H317	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 3, H412	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.

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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.