SAFETY DATA SHEET

CV 38M 5L GHD Advanced Mixing Clear

Version	Revision Date:	SDS Number:	Date of last issue: 12.05.2026
6.0	29.09.2026	000000002050020320	Date of first issue: 02.12.2022

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

1.1 Product identifier

Trade name : CV 38M 5L GHD Advanced Mixing Clear

Product code : 000000002050020320

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

Use of the Substance/Mixture : Spraying
Monocoat product

1.3 Details of the supplier of the safety data sheet

Company:
Surventis S.A.S.
Z.I de Breuil-Le-Sec, Rue André Pommery
60480 Breuil-Le-Sec
France
anciennement dénommée BASF Coatings France SAS

Contact address:
Surventis Services (Pty.) Ltd.
16th Road 852
1685 Midrand
South Africa
Formerly known as BASF Coatings Services (Pty.) Ltd.

Telephone: +27 11 203 2400
E-mail address: Product-Stewardship-EMEA@surventiscoatings.com

1.4 Emergency telephone

Local: 080 001 4676 (english)
International: +44 20 3885 0382 (multilingual)
National emergency number: +27 11 203 2420

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapor.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.

Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements :

H226	Flammable liquid and vapor.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing mist or vapors.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous ingredients which must be listed on the label:

n-Butyl 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
methyl methacrylate
2-hydroxyethyl methacrylate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : saturated polyester resin
acrylic resin
organic solvent
organic compounds

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
n-Butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29-0004 01-2119485493-29-0005	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 12,5 - < 15
pentane-2,4-dione	123-54-6 204-634-0 606-029-00-0	Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 3; H331 Acute Tox. 3; H311	>= 5 - < 7
2-methoxy-1-methylethylacetate	108-65-6 203-603-9 607-195-00-7 01-2119475791-29-0045 01-2119475791-29-0044	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 5 - < 7
3,5,5-trimethylhexanoic acid	3302-10-1 221-975-0	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 2,5 - < 3
Solvent naphtha (petroleum), light arom.	128601-23-0 918-668-5 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335	>= 1 - < 2

		(Respiratory system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411	
Naphtha (petroleum), heavy alkylate	64741-65-7 265-067-2 649-275-00-4 01-2119471991-29	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 1 - < 2
xylene	1330-20-7 215-535-7 601-022-00-9	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 (Kidney, Liver, Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 1 - < 2
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5 915-687-0 UK-20-9642318150-0-0000	Skin Sens. 1A; H317 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,5 - < 1
4-methylpentan-2-one	108-10-1 203-550-1 606-004-00-4	Flam. Liq. 2; H225 Acute Tox. 4; H332 Eye Irrit. 2; H319 Carc. 2; H351 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system)	>= 0,3 - < 0,5
methyl methacrylate	80-62-6 201-297-1 607-035-00-6 01-2119452498-28-0031 01-2119452498-28-0034	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system)	>= 0,1 - < 0,2

2-hydroxyethyl methacrylate	868-77-9 212-782-2 607-124-00-X 01-2119490169-29-0007	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317	>= 0,1 - < 0,2

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice : Never give anything by mouth to an unconscious person.
Move out of dangerous area.
In all cases of doubt, or when symptoms persist, seek medical attention.
Immediately remove contaminated clothing.
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
First aid personnel should pay attention to their own safety.

If inhaled : If breathed in, move person into fresh air.
If breathing is irregular or stopped, administer artificial respiration.
If symptoms persist, call a physician.

In case of skin contact : Do NOT use solvents or thinners.
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If symptoms persist, call a physician.

In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
Call a physician immediately.
If easy to do, remove contact lens, if worn.

If swallowed : Rinse mouth.
Do NOT induce vomiting.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Risks	:	May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	Treat symptomatically. After skin contact, treat the affected area with a potent topical corticosteroid preparation (e.g., betamethasone 0.1%).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Water spray Dry powder Foam Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see section 10).

5.3 Advice for firefighters

Special protective equipment for fire-fighters	:	Appropriate breathing apparatus may be required.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cool containers/tanks with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Avoid breathing vapours. For non-emergency personnel: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8

of this safety data sheet.

6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Ensure adequate ventilation.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapors or spray mist.
Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with the skin, eyes and clothing.
The workplace should be equipped with an emergency shower and eye-rinsing facility.
When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.
Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.
Do not return residues to the storage containers.
Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapors are heavier than air and

spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted. Use explosion-proof equipment.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.
Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions : Keep away from heat. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing. Keep in a dry, cool and well-ventilated place.

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Recommended storage temperature : 5,00 - 35,00 °C

Packaging material : Suitable material: Stove-lacquer RDL 50, Stove-lacquer R 78433, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer EHD0022, Standard interior paint, Stove-lacquer C222A/C221A, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene, Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
n-Butyl acetate	123-86-4	STEL	150 ppm 723 mg/m3	2019/1831/EU
	Further information: Indicative			
		TWA	50 ppm 241 mg/m3	2019/1831/EU

	Further information: Indicative			
		OEL-RL	100 ppm	ZA OEL
	Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents			
		OEL- RL STEL/C	300 ppm	ZA OEL
	Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents			
		STEL	150 ppm 723 mg/m3	2019/1831/EU
		TWA	50 ppm 241 mg/m3	2019/1831/EU
2-methoxy-1-methylethylacetate	108-65-6	STEL	100 ppm 550 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 275 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 550 mg/m3	2000/39/EC
		TWA	50 ppm 275 mg/m3	2000/39/EC
xylene	1330-20-7	TWA	50 ppm 221 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		OEL-RL	200 ppm	ZA OEL
	Further information: danger of cutaneous absorption, Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents			
		OEL- RL STEL/C	300 ppm	ZA OEL
	Further information: danger of cutaneous absorption, Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents			
		TWA	50 ppm 221 mg/m3	2000/39/EC
		STEL	100 ppm 442 mg/m3	2000/39/EC
4-methylpentan-2-one	108-10-1	TWA	20 ppm 83 mg/m3	2000/39/EC
	Further information: Indicative			
		STEL	50 ppm 208 mg/m3	2000/39/EC
	Further information: Indicative			

		OEL-RL	40 ppm	ZA OEL
	Further information: danger of cutaneous absorption, Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents, denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B			
		OEL- RL STEL/C	150 ppm	ZA OEL
	Further information: danger of cutaneous absorption, Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents, denotes carcinogenicity, which is based on GHS categorisation, including category 1A, 1B			
		TWA	20 ppm 83 mg/m3	2000/39/EC
		STEL	50 ppm 208 mg/m3	2000/39/EC
methyl methacrylate	80-62-6	TWA	50 ppm	2009/161/EU
	Further information: Indicative			
		STEL	100 ppm	2009/161/EU
	Further information: Indicative			
		OEL-RL	100 ppm	ZA OEL
	Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents, dermal sensitisation, potential to produce dermal sensitisation			
		OEL- RL STEL/C	200 ppm	ZA OEL
	Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents, dermal sensitisation, potential to produce dermal sensitisation			
		TWA	50 ppm	2009/161/EU
		STEL	100 ppm	2009/161/EU

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
xylene	1330-20-7	Methylhippuric acids: 1.5 g/g creatinine (Urine)	End of shift	ZA BEI
4-methylpentan-2-one	108-10-1	Methyl isobutyl ketone (MIBK): 1 mg/l (Urine)	End of shift	ZA BEI

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of exposure	Potential health effects	Value
n-Butyl acetate	Workers	Inhalation	Acute local effects	600 mg/m3
	Workers	Inhalation	Long-term local effects	300 mg/m3
	Workers	Dermal	Long-term systemic effects	11 mg/kg
	Workers	Dermal	Acute systemic ef-	11 mg/kg

			fects	
pentane-2,4-dione	Workers	Inhalation	Long-term systemic effects	84 mg/m3
	Workers	Inhalation	Acute systemic effects	168 mg/m3
	Workers	Dermal	Long-term systemic effects	3,389 mg/kg
2-methoxy-1-methylethylacetate	Workers	Inhalation	Long-term systemic effects	275 mg/m3
	Workers	Dermal	Long-term systemic effects	796 mg/kg
	Workers	Inhalation	Acute local effects	550 mg/m3
Ethyl 3-ethoxypropionate	Workers	Skin contact	Long-term systemic effects	102 mg/kg
	Workers	Inhalation	Long-term systemic effects	610 mg/m3
	Workers	Skin contact	Long-term local effects	102 mg/cm2
	Workers	Inhalation	Long-term local effects	610 mg/m3
3,5,5-trimethylhexanoic acid	Workers	Inhalation	Long-term systemic effects	4,4 mg/m3
	Workers	Dermal	Long-term systemic effects	1,25 mg/kg
	Workers	Inhalation	Local effects, Short-term exposure, Long-term exposure	10 mg/m3
xylene	Workers	Inhalation	Local effects, Systemic effects, Long-term exposure	221 mg/m3
	Workers	Inhalation	Local effects, Systemic effects, Short-term exposure	442 mg/m3
	Workers	Dermal	Long-term systemic effects	212 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	Workers	Inhalation	Long-term systemic effects	1,27 mg/m3
	Workers	Dermal	Long-term systemic effects	1,8 mg/kg
4-methylpentan-2-one	Workers	Eye contact	Local effects, Short-term exposure, Long-term exposure	
	Workers	Inhalation	Long-term local ef-	83 mg/m3

			fects	
	Workers	Inhalation	Acute local effects	208 mg/m3
	Workers	Dermal	Long-term systemic effects	11,8 mg/kg
	Workers	Inhalation	Long-term systemic effects	83 mg/m3
	Workers	Inhalation	Acute systemic effects	208 mg/m3
methyl methacrylate	Workers	Dermal	Long-term systemic effects	13,67 mg/kg
	Workers	Inhalation	Long-term systemic effects	348,8 mg/m3
	Workers	Inhalation	Long-term local effects	208 mg/m3
	Workers	Inhalation	Acute local effects	416 mg/m3
	Workers	Dermal	Long-term local effects	1,5 mg/cm2
	Workers	Dermal	Acute local effects	1,5 mg/cm2
2-hydroxyethyl methacrylate	Workers	Dermal	Long-term systemic effects	1,3 mg/kg
	Workers	Inhalation	Long-term systemic effects	4,9 mg/m3

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
n-Butyl acetate	Fresh water	0,18 mg/l
	Sea water	0,018 mg/l
	sediment (freshwater)	0,981 mg/kg
	sediment (marine water)	0,0981 mg/kg
	Soil	0,0903 mg/kg
pentane-2,4-dione	Fresh water	0,0259 mg/l
	Sea water	0,00259 mg/l
	sediment (freshwater)	0,183 mg/kg
	sediment (marine water)	0,0183 mg/kg
	Soil	0,0213 mg/kg
2-methoxy-1-methylethylacetate	Fresh water	0,635 mg/l
	Sea water	0,0635 mg/l
	sediment (freshwater)	3,29 mg/kg
	sediment (marine water)	0,329 mg/kg
	Soil	0,29 mg/kg
Ethyl 3-ethoxypropionate	Sewage treatment plant	50 mg/l
	Fresh water	0,061 mg/l
	Sea water	0,006 mg/l
	Fresh water sediment	0,419 mg/kg
	Sea sediment	0,042 mg/kg
	Soil	0,048 mg/kg
3,5,5-trimethylhexanoic acid	Fresh water	0,068 mg/l

	Sea water	0,0068 mg/l
	sediment (freshwater)	1,08 mg/kg
	sediment (marine water)	0,108 mg/kg
	Soil	0,176 mg/kg
xylene	Fresh water	0,327 mg/l
	Sea water	0,327 mg/l
	sediment (freshwater)	12,46 mg/kg
	sediment (marine water)	12,46 mg/kg
	Soil	2,31 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	Fresh water	0,0022 mg/l
	Sea water	0,00022 mg/l
	sediment (freshwater)	1,05 mg/kg
	sediment (marine water)	0,11 mg/kg
	Soil	0,21 mg/kg
4-methylpentan-2-one	Sea water	0,06 mg/l
	sediment (marine water)	0,83 mg/kg
	Fresh water	0,6 mg/l
	Soil	1,3 mg/kg
	sediment (freshwater)	8,27 mg/kg
methyl methacrylate	Fresh water	0,94 mg/l
	Sea water	0,094 mg/l
	sediment (freshwater)	10,2 mg/kg
	sediment (marine water)	1,02 mg/kg
	Soil	1,48 mg/kg
2-hydroxyethyl methacrylate	Water	0,482 mg/l
	Sea water	0,482 mg/l
	sediment (freshwater)	3,79 mg/kg
	sediment (marine water)	3,79 mg/kg
	Soil	0,476 mg/kg

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation.

Personal protective equipment

Eye/face protection : Required when there is a risk of eye contact.
Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.
butyl rubber gloves - material thickness: 0.5 mm
Further information on penetration time is available from the manufacturer of the glove.
Data are based on information from the glove manufacturer,

		the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)
Skin and body protection	:	Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres. chemical-resistant disposable coveralls
Respiratory protection	:	Suitable respiratory equipment: half-mask with A1P2 class combination filter In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Protective measures	:	Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Form	:	liquid

Color	:	colorless
Odor	:	of acetate
pH	:	substance/mixture is non-polar/aprotic
Melting point/freezing point	:	not determined
	:	116,00 - 170,00 °C
Flash point	:	26 °C Method: ISO 3679
Flammability	:	Flammable liquid and vapour.
Sustained combustibility	:	Sustains combustibility: yes
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35,0 g/m3
Vapor pressure	:	6,3000 hPa (20 °C)
		not determined (50 °C)
Density	:	1,020 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	129,1 mm2/s (23 °C)
		50,900 mm2/s (40 °C)
Flow time	:	> 40 s at 23 °C Cross section: 5 mm Method: ISO 2431

Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

9.2 Other information

Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Vapours may form ignitable mixture with air.

10.4 Conditions to avoid

Conditions to avoid	:	Protect from frost. Heat, flames and sparks. Avoid direct sunlight. Heat.

10.5 Incompatible materials

Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Components:

n-Butyl acetate:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

4-methylpentan-2-one:

Assessment	:	Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks	:	The liquid splashed in the eyes may cause irritation and damage.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

Further information

Product:

Remarks	:	Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

n-Butyl acetate:

Partition coefficient: n-octanol/water	:	Pow: 200 (25 °C) log Pow: 2,3 (25 °C) pH: 7

Method: OECD Test Guideline 117
GLP: yes

pentane-2,4-dione:

Partition coefficient: n-octanol/water	:	log Pow: 0,4 (25 °C) Remarks: Information taken from reference works and the literature.

2-methoxy-1-methylethylacetate:

Partition coefficient: n-octanol/water	:	log Pow: 1,2 (20 °C) pH: 6,8 Method: OECD Test Guideline 117 GLP: yes

3,5,5-trimethylhexanoic acid:

Partition coefficient: n-octanol/water	:	Pow: 1.580 (25 °C) log Pow: 3,2 (25 °C) pH: 3 Method: OECD Test Guideline 117 GLP: yes

Solvent naphtha (petroleum), light arom.:

Partition coefficient: n-octanol/water	:	log Pow: 3,17 GLP: no

Naphtha (petroleum), heavy alkylate:

Partition coefficient: n-octanol/water	:	Remarks: No data available

xylene:

Partition coefficient: n-octanol/water	:	log Pow: 3,12 - 3,20 (25 °C) GLP: no Remarks: Information taken from reference works and the literature.

Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:

Partition coefficient: n-octanol/water	:	log Pow: 2,3 - 2,8 (25 °C) pH: 7 Method: OECD Test Guideline 107

4-methylpentan-2-one:

Partition coefficient: n-octanol/water	:	Pow: 79 (20 °C) log Pow: 1,9 (20 °C)

		pH: 6,7 Method: OECD Test Guideline 117 GLP: no
methyl methacrylate:		
Partition coefficient: n-octanol/water	:	log Pow: 1,38 (20 °C) GLP: No information available.
2-hydroxyethyl methacrylate:		
Partition coefficient: n-octanol/water	:	log Pow: 0,42 (25 °C) pH: 5,9 - 6,1 Method: OECD Test Guideline 107 GLP: yes

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.

Contaminated packaging : Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

Packaging that is not properly emptied must be disposed of as the unused product.

Waste Code : 08 01 11, waste paint and varnish containing organic solvents or other hazardous substances

SECTION 14: Transport information

14.1 UN number

UNRTDG : UN 1263

IMDG : UN 1263

IATA : UN 1263

14.2 UN proper shipping name

UNRTDG : PAINT

IMDG : PAINT

IATA : PAINT

14.3 Transport hazard class(es)

	Class	Subsidiary risks
UNRTDG	3	
IMDG	3	
IATA	3	

14.4 Packing group

UNRTDG

Packing group : III

Labels : 3

IMDG

Packing group : III

Labels : 3

EmS Code : F-E, S-E

IATA (Cargo)

Packing instruction (cargo aircraft) : 366

Packing instruction (LQ) : Y344

Packing group : III

Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passen- : 355

ger aircraft)

Packing instruction (LQ)	:	Y344
Packing group	:	III
Labels	:	Flammable liquid

14.5 Environmental hazards

UNRTDG

Environmentally hazardous	:	no

IMDG

Marine pollutant	:	no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Number on list 3 Number on list 3 Number on list 20 Number on list 75
REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59).	:	Not applicable
Regulation (EU) No 2024/590 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	P5c	FLAMMABLE LIQUIDS

Volatile organic compounds	:	Volatile organic compounds (VOC) content: 390,0 g/l VOC content excluding water Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 35,3 %

Other regulations:

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.
Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.
Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

SECTION 16: Other information

Full text of H-Statements

H225	:	Highly flammable liquid and vapor.
H226	:	Flammable liquid and vapor.
H302	:	Harmful if swallowed.
H304	:	May be fatal if swallowed and enters airways.
H311	:	Toxic in contact with skin.
H312	:	Harmful in contact with skin.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H331	:	Toxic if inhaled.
H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H351	:	Suspected of causing cancer.
H361f	:	Suspected of damaging fertility.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity

Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Carc.	:	Carcinogenicity
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
Repr.	:	Reproductive toxicity
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitization
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2009/161/EU	:	Europe. COMMISSION DIRECTIVE 2009/161/EU establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
2019/1831/EU	:	Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values
ZA BEI	:	South Africa. The Regulations for Hazardous Chemical Agents, Biological Exposure Indices
ZA OEL	:	South Africa. The Regulations for Hazardous Chemical Agents, Occupational Exposure Limits
2000/39/EC / TWA	:	Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
2009/161/EU / TWA	:	Limit Value - eight hours
2009/161/EU / STEL	:	Short term exposure limit
2019/1831/EU / TWA	:	Limit Value - eight hours
2019/1831/EU / STEL	:	Short term exposure limit
ZA OEL / OEL-RL	:	Occupational Exposure Limit Restricted limit - 8- hour exposure or equivalent (12 hour shifts)
ZA OEL / OEL- RL STEL/C	:	Occupational Exposure Limit Restricted limit - Short term occupational exposure limits / ceiling limits

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China;

IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : For multi-pack systems observe material safety data sheets of all components.
Restricted to professional users.

Classification of the mixture:		**Classification procedure:**
Flam. Liq. 3	H226	Based on product data or assessment
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H336	Calculation method
Aquatic Chronic 3	H412	Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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