White Base

Safety Data Sheet

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SECTION 1: Identification

1.1. Identification

Product form : Substance

Substance name : White Base

Product code : FPB1 9437

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Color By Design, Inc.
407 W. Main
Haven, KS 67543
T 620-465-2600
info@colorbydesigninc.com

1.4. Emergency telephone number

Emergency number : 620-728-4044

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 3	Flammable liquid and vapour
Skin sensitization, Category 1	May cause an allergic skin reaction
Germ cell mutagenicity Category 1B	May cause genetic defects
Carcinogenicity Category 1A	May cause cancer
Specific target organ toxicity (repeated exposure) Category 2	May cause damage to organs through prolonged or repeated exposure

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

GHS02 GHS07 GHS08

Signal word (GHS US) : Danger

Hazard statements (GHS US) : Flammable liquid and vapour
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust, fume, gas, mist, vapors, spray
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Specific treatment (see supplemental first aid instruction on this label)

If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use media other than water to extinguish.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Name : White Base

Name	Product identifier	%	GHS US classification
solvent naphtha (petroleum), light aromatic	(CAS-No.) 64742-95-6	> 23.76	Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
titanium(IV) oxide	(CAS-No.) 13463-67-7	17.6 - 23.28	Carc. 2, H351
1,2,4-Trimethylbenzene	(CAS-No.) 95-63-6	< 8.32	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
Aromatic Hydrocarbon	(CAS-No.) 64742-95-6	4 - 6	Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
Aliphatic Hydrocarbon	(CAS-No.) 64742-49-0	3.38 - 3.64	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
silicon dioxide, amorphous	(CAS-No.) 7631-86-9	0 - 3.6	Not classified
ethylbenzene	(CAS-No.) 100-41-4	2.00857 - 2.7505	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304
aluminium hydroxide	(CAS-No.) 21645-51-2	0 - 2.4	Not classified
POLYACRYLATE COPOLYMER		1 - 2	Acute Tox. 3 (Inhalation:vapour), H331
Heptan-2-one	(CAS-No.) 110-43-0	1.5 - 1.75	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332
N-Butyl Acetate	(CAS-No.) 123-86-4	1.5 - 1.75	Flam. Liq. 3, H226 STOT SE 3, H336
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	(CAS-No.) 104810-48-2	0 - 0.7	Not classified
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxyopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-	(CAS-No.) 104810-47-1	0 - 0.7	Not classified
Polyethyleneglycol 300	(CAS-No.) 25322-68-3	0 - 0.7	Not classified
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	(CAS-No.) 41556-26-7	0.035 - 0.63	Flam. Liq. 4, H227 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Methyl Ethyl Ketoxime	(CAS-No.) 96-29-7	0.05 - 0.5	Flam. Liq. 4, H227 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351
zirconium dioxide	(CAS-No.) 1314-23-4	0 - 0.48	Not classified
Amide L*	(CAS-No.) Proprietary*	0.1 - 0.3	Not classified
cumene	(CAS-No.) 98-82-8	< 0.286	Flam. Liq. 3, H226 Carc. 1B, H350 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidinyl) methyl ester	(CAS-No.) 82919-37-7	0.01 - 0.21	Not classified
Ethanol	(CAS-No.) 64-17-5	0.055 - 0.165	Flam. Liq. 2, H225 Carc. 1A, H350
Methanol	(CAS-No.) 67-56-1	0.0225 - 0.0675	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
quartz, conc respirable crystalline silica≥10%	(CAS-No.) 14808-60-7	0.0002 - 0.03	Carc. 1A, H350 STOT RE 1, H372

Name	Product identifier	%	GHS US classification
Mineral Spirits (Stoddard Solvent)	(CAS-No.) 8052-41-3	~ 0.007	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 STOT RE 1, H372 Asp. Tox. 1, H304
Zinc 2-Ethylhexanoate	(CAS-No.) 136-53-8	~ 0.004	Repr. 2, H361
2-Propanol	(CAS-No.) 67-63-0	0.0005 - 0.0015	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Ethanol, 2-(2-butoxyethoxy)-	(CAS-No.) 112-34-5	~ 0.0002	Eye Irrit. 2, H319
Napthalene	(CAS-No.) 91-20-3	~ 0.00007	Acute Tox. 4 (Oral), H302 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Magnesium Silicate	(CAS-No.) 1317-65-3	> 0	Not classified

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : May cause an allergic skin reaction.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapour.

Reactivity : Flammable liquid and vapour.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust, fume, gas, mist, vapors, spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust, fume, gas, mist, vapors, spray. Avoid contact with skin and eyes.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Heptan-2-one (110-43-0)		
ACGIH	ACGIH TWA (ppm)	50 ppm (Methyl n-amyl ketone; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	Eye & skin irr
OSHA	OSHA PEL (TWA) (mg/m³)	465 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm

N-Butyl Acetate (123-86-4)		
ACGIH	ACGIH TWA (ppm)	150 ppm (n-Butyl acetate; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	ACGIH STEL (ppm)	200 ppm (n-Butyl acetate; USA; Short time value; TLV - Adopted Value)

quartz, conc respirable crystalline silica≥10% (14808-60-7)		
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³ (Respirable fraction)

Magnesium Silicate (1317-65-3)
Not applicable

POLYACRYLATE COPOLYMER
Not applicable

titanium(IV) oxide (13463-67-7)
Not applicable

silicon dioxide, amorphous (7631-86-9)
Not applicable

aluminium hydroxide (21645-51-2)
Not applicable

zirconium dioxide (1314-23-4)
Not applicable

ethylbenzene (100-41-4)		
ACGIH	ACGIH TWA (ppm)	20 ppm (Ethyl benzene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)

ethylbenzene (100-41-4)		
ACGIH	Remark (ACGIH)	URT irr; kidney dam (nephropathy)
OSHA	OSHA PEL (TWA) (mg/m³)	435 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm

solvent naphtha (petroleum), light aromatic (64742-95-6)		
ACGIH	ACGIH TWA (mg/m³)	200 mg/m³
ACGIH	ACGIH TWA (ppm)	200 ppm
OSHA	OSHA PEL (TWA) (ppm)	200
OSHA	OSHA PEL (STEL) (ppm)	500

cumene (98-82-8)		
ACGIH	ACGIH TWA (ppm)	50 ppm (Cumene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	Remark (ACGIH)	Lung cancer; liver and lung dam; A2 (Suspected Human Carcinogen: Human data are accepted as adequate in quality but are conflicting or insufficient to classify the agent as a confirmed human carcinogen; OR, the agent is carcinogenic in experimental animals at dose(s), by route(s) of exposure, at site(s), of histologic type(s), or by mechanism(s) considered relevant to worker exposure. The A2 is used primarily when there is limited evidence or carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals with relevance to humans)
OSHA	OSHA PEL (TWA) (mg/m³)	245 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm

1,2,4-Trimethylbenzene (95-63-6)		
ACGIH	ACGIH TWA (ppm)	25 ppm (Trimethyl benzene (mixed isomers); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)

Aliphatic Hydrocarbon (64742-49-0)
Not applicable

Amide L* (Proprietary*)
Not applicable

Ethanol (64-17-5)		
ACGIH	ACGIH STEL (ppm)	1000 ppm
ACGIH	Remark (ACGIH)	URT irr
OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

Methanol (67-56-1)		
ACGIH	ACGIH TWA (ppm)	200 ppm (Methanol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	ACGIH STEL (ppm)	250 ppm (Methanol; USA; Short time value; TLV - Adopted Value)

2-Propanol (67-63-0)		
ACGIH	ACGIH TWA (ppm)	200 ppm (2-propanol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	ACGIH STEL (ppm)	400 ppm (2-propanol; USA; Short time value; TLV - Adopted Value)

Aromatic Hydrocarbon (64742-95-6)
Not applicable

Methyl Ethyl Ketoxime (96-29-7)
Not applicable

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)
Not applicable

Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidinyl) methyl ester (82919-37-7)
Not applicable

Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy- (104810-48-2)
Not applicable

Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxyopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- (104810-47-1)
Not applicable

Polyethyleneglycol 300 (25322-68-3)
Not applicable

Zinc 2-Ethylhexanoate (136-53-8)
Not applicable

Mineral Spirits (Stoddard Solvent) (8052-41-3)		
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	Remark (ACGIH)	Eye, skin, & kidney dam; nausea; CNS impair
OSHA	OSHA PEL (TWA) (mg/m³)	2900 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	500 ppm

Ethanol, 2-(2-butoxyethoxy)- (112-34-5)		
ACGIH	ACGIH TWA (ppm)	10 ppm

Napthalene (91-20-3)		
ACGIH	ACGIH TWA (ppm)	10 ppm
ACGIH	Remark (ACGIH)	Hematologic eff; URT & eye irr; Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure)
OSHA	OSHA PEL (TWA) (mg/m³)	50 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	10 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	White
Odor	:	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour(s): Irritating/pungent odour Fruity odour Aromatic odour Odourless Petroleum-like odour Sweet odour No data available on odour Alcohol odour Mild odour Stuffy odour Ether-like odour Characteristic odour Almost odourless Tar odour
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	281 - 340 °F
Flash point	:	80 °F TCC
Relative evaporation rate (butyl acetate=1)	:	0.8
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	7.2 mm Hg 20 C
Relative vapor density at 20 °C	:	No data available
Relative density	:	1.16
Solubility	:	Insoluble in water.
Log Pow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	1 - 7 vol %
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Not classified

Heptan-2-one (110-43-0)	
LD50 oral rat	1670 mg/kg (Rat; Experimental value; 1600 mg/kg bodyweight; Rat)
LD50 dermal rat	10300 mg/kg (Rat; Experimental value; OECD 402: Acute Dermal Toxicity; >2000 mg/kg bodyweight; Rat)
LC50 inhalation rat (mg/l)	14 mg/l/4h (Rat; Experimental value; >16.7 mg/l/4h; Rat)
ATE US (oral)	1670.000 mg/kg body weight
ATE US (dermal)	10300.000 mg/kg body weight
ATE US (gases)	4500.000 ppmV/4h
ATE US (vapors)	14.000 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h

N-Butyl Acetate (123-86-4)	
LD50 oral rat	10770 mg/kg (Rat; Equivalent or similar to OECD 423; Experimental value; 12789 mg/kg; Rat; Equivalent or similar to OECD 423; Experimental value; 10760 mg/kg bodyweight; Rat)
LD50 dermal rabbit	> 17600 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; >14112 mg/kg bodyweight; Rabbit)
ATE US (oral)	10770.000 mg/kg body weight

Magnesium Silicate (1317-65-3)	
LD50 oral rat	6450 mg/kg (Rat, Literature study)
ATE US (oral)	6450.000 mg/kg body weight

POLYACRYLATE COPOLYMER	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (vapors)	3.000 mg/l/4h

titanium(IV) oxide (13463-67-7)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Female, Experimental value)
LC50 inhalation rat (mg/l)	> 6.82 mg/l (Other, 4 h, Rat, Male, Experimental value)

silicon dioxide, amorphous (7631-86-9)	
LD50 oral rat	> 10000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)

aluminium hydroxide (21645-51-2)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value)
LC50 inhalation rat (mg/l)	> 2.3 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male/female, Read-across)

zirconium dioxide (1314-23-4)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value)
LC50 inhalation rat (mg/l)	> 4.3 mg/l (OECD 436: Acute inhalation toxicity-acute toxic class method, 4 h, Rat, Male/female, Experimental value)

ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Rat; Other; Experimental value)
LD50 dermal rabbit	15415 mg/kg (Rabbit; Literature study; Other; 15432 mg/kg; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	17.8 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	4000 ppm/4h (Rat; Literature study)
ATE US (oral)	3500.000 mg/kg body weight
ATE US (dermal)	15415.000 mg/kg body weight
ATE US (gases)	4000.000 ppmV/4h
ATE US (vapors)	17.800 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h

solvent naphtha (petroleum), light aromatic (64742-95-6)	
LD50 oral rat	3492 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat (ppm)	> 6193 ppm/4h
ATE US (oral)	3492.000 mg/kg body weight

cumene (98-82-8)	
LD50 oral rat	> 2000 mg/kg (Rat; Other; Literature study; 4000 mg/kg bodyweight; Rat; Other; Inconclusive, insufficient data)
LD50 dermal rabbit	10578 mg/kg (Rabbit; Literature study; Other)
LC50 inhalation rat (mg/l)	40 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	8000 ppm/4h (Rat; Literature study)
ATE US (dermal)	10578.000 mg/kg body weight
ATE US (gases)	8000.000 ppmV/4h
ATE US (vapors)	40.000 mg/l/4h
ATE US (dust, mist)	40.000 mg/l/4h

1,2,4-Trimethylbenzene (95-63-6)	
LD50 oral rat	> 5000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature; 6000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat	> 3440 mg/kg (Rat; Read-across; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	18 mg/l/4h (Rat)
ATE US (gases)	4500.000 ppmV/4h
ATE US (vapors)	18.000 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h

Ethanol (64-17-5)	
LD50 oral rat	> 7060 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat)

Methanol (67-56-1)	
ATE US (oral)	100.000 mg/kg body weight
ATE US (dermal)	300.000 mg/kg body weight
ATE US (gases)	700.000 ppmV/4h
ATE US (vapors)	3.000 mg/l/4h
ATE US (dust, mist)	0.500 mg/l/4h

2-Propanol (67-63-0)	
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
ATE US (dermal)	12870.000 mg/kg body weight
ATE US (vapors)	73.000 mg/l/4h
ATE US (dust, mist)	73.000 mg/l/4h

Methyl Ethyl Ketoxime (96-29-7)	
LD50 oral rat	2326 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value)
LD50 dermal rabbit	> 1000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male/female, Experimental value)
LC50 inhalation rat (mg/l)	> 4.83 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male/female, Experimental value)
ATE US (oral)	2326.000 mg/kg body weight
ATE US (dermal)	1100.000 mg/kg body weight

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
LD50 oral rat	> 2000 mg/kg (Rat, Literature study)

Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidinyl) methyl ester (82919-37-7)	
LD50 oral rat	> 5000 mg/kg

Polyethyleneglycol 300 (25322-68-3)	
LD50 oral rat	> 30000 mg/kg (Rat)
LD50 dermal rabbit	> 20000 mg/kg (Rabbit)

Ethanol, 2-(2-butoxyethoxy)- (112-34-5)	
LD50 dermal rabbit	2764 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value)
ATE US (oral)	2410.000 mg/kg body weight
ATE US (dermal)	2764.000 mg/kg body weight

Napthalene (91-20-3)	
LD50 dermal rat	> 2500 mg/kg (Rat)
ATE US (oral)	500.000 mg/kg body weight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : May cause genetic defects.
Carcinogenicity : May cause cancer.

quartz, conc respirable crystalline silica≥10% (14808-60-7)	
IARC group	1 - Carcinogenic to humans

titanium(IV) oxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

silicon dioxide, amorphous (7631-86-9)	
IARC group	3 - Not classifiable

ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans

cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen

Ethanol (64-17-5)	
IARC group	1 - Carcinogenic to humans

2-Propanol (67-63-0)	
IARC group	3 - Not classifiable

Napthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen

Reproductive toxicity : Not classified
Specific target organ toxicity – single exposure : Not classified

solvent naphtha (petroleum), light aromatic (64742-95-6)	
Target organ(s)	liver kidneys central nervous system

cumene (98-82-8)	
Target organ(s)	liver kidneys central nervous system

Specific target organ toxicity – repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Symptoms/effects after skin contact : May cause an allergic skin reaction.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Heptan-2-one (110-43-0)	
LC50 fish 1	131 mg/l (LC50; EPA OPP 72-1; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 2	> 90.1 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Semi-static system; Fresh water; Experimental value)
Threshold limit algae 2	98.2 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

N-Butyl Acetate (123-86-4)	
LC50 fish 1	18 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)

Magnesium Silicate (1317-65-3)	
LC50 fish 1	> 10000 mg/l (96 h, Oncorhynchus mykiss, Literature)
EC50 Daphnia 1	> 1000 mg/l (48 h, Daphnia magna, Literature)

titanium(IV) oxide (13463-67-7)	
LC50 fish 1	> 100 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Experimental value)

silicon dioxide, amorphous (7631-86-9)	
LC50 fish 1	> 10000 mg/l (96 h, Brachydanio rerio, Literature)
EC50 Daphnia 1	> 10000 mg/l (24 h, Daphnia magna, Literature)

aluminium hydroxide (21645-51-2)	
LC50 fish 1	> 10000 mg/l (96 h, Pisces, Literature study)
EC50 Daphnia 1	> 10000 mg/l (48 h, Daphnia magna, Literature study)

zirconium dioxide (1314-23-4)	
LC50 fish 1	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Static system, Fresh water, Experimental value)
EC50 Daphnia 1	> 100 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
ErC50 (algae)	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across)

ethylbenzene (100-41-4)	
LC50 fish 2	4.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri; Semi-static system; Fresh water; Experimental value)

cumene (98-82-8)	
EC50 Daphnia 1	2.14 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)

1,2,4-Trimethylbenzene (95-63-6)	
LC50 fish 1	7.72 mg/l (LC50; 96 h; Pimephales promelas; Flow-through system; Fresh water)
EC50 Daphnia 1	3.6 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	2.356 mg/l (EC50; ECOSAR; 96 h; Algae; Fresh water)

Methanol (67-56-1)	
EC50 Daphnia 1	24500 mg/l (EC50; 48 h)
LC50 fish 2	10800 mg/l (LC50; 96 h)

2-Propanol (67-63-0)	
LC50 fish 2	9640 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 2	13299 mg/l (EC50; Other; 48 h; Daphnia magna)

2-Propanol (67-63-0)	
Threshold limit algae 1	> 1000 mg/l (EC50; UBA; 72 h; Scenedesmus subspicatus)

Methyl Ethyl Ketoxime (96-29-7)	
LC50 fish 1	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value)
EC50 Daphnia 1	201 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
LC50 fish 1	0.97 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value)
EC50 Daphnia 1	20 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Experimental value)

Polyethyleneglycol 300 (25322-68-3)	
LC50 fish 1	> 5000 mg/l (24 h, Carassius auratus)

Ethanol, 2-(2-butoxyethoxy)- (112-34-5)	
LC50 fish 1	1300 mg/l (Equivalent or similar to OECD 203, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value)
EC50 Daphnia 1	4950 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

Napthalene (91-20-3)	
LC50 fish 1	0.11 mg/l (96 h, Oncorhynchus mykiss, Literature study)
EC50 Daphnia 1	2.16 mg/l (48 h, Daphnia magna, Literature study)

12.2. Persistence and degradability

Heptan-2-one (110-43-0)	
Persistence and degradability	Readily biodegradable in water. Highly mobile in soil.
BOD (% of ThOD)	0.44

N-Butyl Acetate (123-86-4)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.15 - 0.5 g O_2/g substance
Chemical oxygen demand (COD)	2.32 g O_2/g substance
ThOD	2.21 g O_2/g substance

quartz, conc respirable crystalline silica≥10% (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Magnesium Silicate (1317-65-3)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

titanium(IV) oxide (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

silicon dioxide, amorphous (7631-86-9)	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Chemical oxygen demand (COD)	Not applicable (inorganic)

silicon dioxide, amorphous (7631-86-9)	
ThOD	Not applicable (inorganic)

aluminium hydroxide (21645-51-2)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

zirconium dioxide (1314-23-4)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

ethylbenzene (100-41-4)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	1.44 g O_2/g substance (20d.)
Chemical oxygen demand (COD)	2.1 g O_2/g substance
ThOD	3.17 g O_2/g substance
BOD (% of ThOD)	45.4 (20 days)

cumene (98-82-8)	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	1.28 g O_2/g substance
Chemical oxygen demand (COD)	2.42 g O_2/g substance
ThOD	3.2 g O_2/g substance
BOD (% of ThOD)	0.4

1,2,4-Trimethylbenzene (95-63-6)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Low potential for mobility in soil. Photodegradation in the air.
Chemical oxygen demand (COD)	0.44 g O_2/g substance

Ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.8 - 0.97 g O_2/g substance
Chemical oxygen demand (COD)	1.7 g O_2/g substance
ThOD	2.1 g O_2/g substance
BOD (% of ThOD)	0.43

Methanol (67-56-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the components available.
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O_2/g substance
Chemical oxygen demand (COD)	1.42 g O_2/g substance
ThOD	1.5 g O_2/g substance
BOD (% of ThOD)	0.40 - 0.73

2-Propanol (67-63-0)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	1.19 g O_2/g substance
Chemical oxygen demand (COD)	2.23 g O_2/g substance
ThOD	2.4 g O_2/g substance

Methyl Ethyl Ketoxime (96-29-7)	
Persistence and degradability	Inherently biodegradable.

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
Persistence and degradability	Not readily biodegradable in water.

Polyethyleneglycol 300 (25322-68-3)	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.01 g O_2/g substance
Chemical oxygen demand (COD)	1.71 g O_2/g substance
ThOD	1.75 g O_2/g substance
BOD (% of ThOD)	0.01

Ethanol, 2-(2-butoxyethoxy)- (112-34-5)	
Persistence and degradability	Readily biodegradable in water.

Napthalene (91-20-3)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0 g O_2/g substance
Chemical oxygen demand (COD)	0.22 g O_2/g substance
ThOD	2.99 g O_2/g substance

12.3. Bioaccumulative potential

Heptan-2-one (110-43-0)	
Log Pow	2.26 (Experimental value; EU Method A.8: Partition Coefficient; 30 °C; 2.26; Experimental value; EU Method A.8: Partition Coefficient; 30 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

N-Butyl Acetate (123-86-4)	
BCF fish 1	14 (BCF)
Log Pow	2.3 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Magnesium Silicate (1317-65-3)	
Bioaccumulative potential	Bioaccumulation: not applicable.

titanium(IV) oxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.

silicon dioxide, amorphous (7631-86-9)	
Bioaccumulative potential	Not bioaccumulative.

aluminium hydroxide (21645-51-2)	
Bioaccumulative potential	Not bioaccumulative.

zirconium dioxide (1314-23-4)	
BCF other aquatic organisms 1	0.64 (24 h, Chlorella sp., Fresh water, Read-across, Fresh weight)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

ethylbenzene (100-41-4)	
BCF fish 1	1 (BCF; Other; 6 weeks; Oncorhynchus kisutch; Flow-through system; Salt water; Literature study)
BCF fish 2	15 - 79 (BCF)
BCF other aquatic organisms 1	4.68 (BCF)
Log Pow	3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

solvent naphtha (petroleum), light aromatic (64742-95-6)	
Log Pow	2.1 - 6

cumene (98-82-8)	
BCF fish 1	35.5 (BCF)
BCF other aquatic organisms 1	94.69 (BCF; BCFBAF v3.00)
Log Pow	3.66 (Experimental value; 3.55; Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

1,2,4-Trimethylbenzene (95-63-6)	
BCF fish 1	31 - 275 (BCF; Other; 8 weeks; Cyprinus carpio)

1,2,4-Trimethylbenzene (95-63-6)	
Log Pow	3.63 - 4.09 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

Ethanol (64-17-5)	
Log Pow	-0.32
Bioaccumulative potential	Bioaccumulation: not applicable.

Methanol (67-56-1)	
BCF fish 1	< 10 (BCF)
Log Pow	-0.82 - -0.66
Bioaccumulative potential	No test data of component(s) available.

2-Propanol (67-63-0)	
Log Pow	0.05 (Weight of evidence approach; Other; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Aromatic Hydrocarbon (64742-95-6)	
Log Pow	2.1 - 6

Methyl Ethyl Ketoxime (96-29-7)	
BCF fish 1	0.5 - 5.8 (OECD 305: Bioconcentration: Flow-Through Fish Test, 42 day(s), Cyprinus carpio, Fresh water, Experimental value, GLP)
Log Pow	0.63 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
Log Pow	0.37 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Polyethyleneglycol 300 (25322-68-3)	
Log Pow	-1.2
Bioaccumulative potential	Not bioaccumulative.

Mineral Spirits (Stoddard Solvent) (8052-41-3)	
Log Pow	3.16 - 7.06

Ethanol, 2-(2-butoxyethoxy)- (112-34-5)	
Log Pow	1 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Napthalene (91-20-3)	
BCF fish 1	23 - 168 (8 week(s), Cyprinus carpio, Literature study)
Log Pow	3.3 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

Heptan-2-one (110-43-0)	
Surface tension	0.0591 N/m (21.6 °C)
Log Koc	log Koc,EU Method C.19; 1.45; Experimental value

N-Butyl Acetate (123-86-4)	
Surface tension	0.0613 N/m (20 °C; 1 g/l)
Log Koc	log Koc,SRC PCKOCWIN v2.0; 1.268 - 1.844; QSAR

Magnesium Silicate (1317-65-3)	
Ecology - soil	No (test)data on mobility of the substance available.

titanium(IV) oxide (13463-67-7)	
Ecology - soil	Low potential for mobility in soil.

silicon dioxide, amorphous (7631-86-9)	
Ecology - soil	No (test)data on mobility of the substance available.

aluminium hydroxide (21645-51-2)	
Ecology - soil	No (test)data on mobility of the substance available.

zirconium dioxide (1314-23-4)	
Surface tension	Not applicable (solid)
Ecology - soil	No (test)data on mobility of the substance available.

ethylbenzene (100-41-4)	
Surface tension	0.029 N/m
Log Koc	log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value

cumene (98-82-8)	
Log Koc	Koc,884; Calculated value; log Koc; 2.946; Calculated value

1,2,4-Trimethylbenzene (95-63-6)	
Surface tension	0.029 N/m
Log Koc	log Koc,3.04; Calculated value
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

2-Propanol (67-63-0)	
Surface tension	0.021 N/m (25 °C)

Methyl Ethyl Ketoxime (96-29-7)	
Log Koc	0.55 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Highly mobile in soil.

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
Ecology - soil	No (test)data on mobility of the substance available.

Polyethyleneglycol 300 (25322-68-3)	
Surface tension	0.045 N/m (25 °C)

Mineral Spirits (Stoddard Solvent) (8052-41-3)	
Log Koc	2.85 - 6.74 (log Koc)

Ethanol, 2-(2-butoxyethoxy)- (112-34-5)	
Surface tension	27 mN/m (25 °C, 0.00212 mol/g)
Ecology - soil	Low potential for adsorption in soil.

Napthalene (91-20-3)	
Surface tension	0.03 N/m (100 °C)
Ecology - soil	Adsorbs into the soil.

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.
GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1263 Paint, 3, III

UN-No.(DOT) : UN1263
Proper Shipping Name (DOT) : Paint
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) : III - Minor Danger

Hazard labels (DOT)	:	3 - Flammable liquid

DOT Packaging Non Bulk (49 CFR 173.xxx)	:	173
DOT Packaging Bulk (49 CFR 173.xxx)	:	242
DOT Special Provisions (49 CFR 172.102)	:	B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	220 L
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	:	128
Other information	:	No supplementary information available.

Transportation of Dangerous Goods

Not applicable

Transport by sea

Transport document description (IMDG)	:	UN 1263 PAINT, 3, III
UN-No. (IMDG)	:	1263
Proper Shipping Name (IMDG)	:	PAINT
Class (IMDG)	:	3 - Flammable liquids
Packing group (IMDG)	:	III - substances presenting low danger
Limited quantities (IMDG)	:	5 L

Air transport

Transport document description (IATA)	:	UN 1263 Paint, 3, III
UN-No. (IATA)	:	1263
Proper Shipping Name (IATA)	:	Paint
Class (IATA)	:	3 - Flammable Liquids
Packing group (IATA)	:	III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

Heptan-2-one (110-43-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

N-Butyl Acetate (123-86-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	5000 lb

quartz, conc respirable crystalline silica≥10% (14808-60-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Magnesium Silicate (1317-65-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

titanium(IV) oxide (13463-67-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

silicon dioxide, amorphous (7631-86-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

aluminium hydroxide (21645-51-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

zirconium dioxide (1314-23-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

ethylbenzene (100-41-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb

solvent naphtha (petroleum), light aromatic (64742-95-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

cumene (98-82-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb

1,2,4-Trimethylbenzene (95-63-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	

Aliphatic Hydrocarbon (64742-49-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Amide L* (Proprietary*)	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	

Ethanol (64-17-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Methanol (67-56-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb

2-Propanol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	

Aromatic Hydrocarbon (64742-95-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Methyl Ethyl Ketoxime (96-29-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidinyl) methyl ester (82919-37-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy- (104810-48-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	N - N - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used. P - P - indicates a commenced Premanufacture Notice (PMN) substance. XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxyopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- (104810-47-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	N - N - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used. P - P - indicates a commenced Premanufacture Notice (PMN) substance. XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Polyethyleneglycol 300 (25322-68-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Zinc 2-Ethylhexanoate (136-53-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Mineral Spirits (Stoddard Solvent) (8052-41-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Ethanol, 2-(2-butoxyethoxy)- (112-34-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Napthalene (91-20-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	100 lb

15.2. International regulations

CANADA

Heptan-2-one (110-43-0)
Listed on the Canadian DSL (Domestic Substances List)

N-Butyl Acetate (123-86-4)
Listed on the Canadian DSL (Domestic Substances List)

quartz, conc respirable crystalline silica≥10% (14808-60-7)
Listed on the Canadian DSL (Domestic Substances List)

Magnesium Silicate (1317-65-3)
Listed on the Canadian NDSL (Non-Domestic Substances List)

titanium(IV) oxide (13463-67-7)
Listed on the Canadian DSL (Domestic Substances List)

silicon dioxide, amorphous (7631-86-9)
Listed on the Canadian DSL (Domestic Substances List)

aluminium hydroxide (21645-51-2)
Listed on the Canadian DSL (Domestic Substances List)

zirconium dioxide (1314-23-4)
Listed on the Canadian DSL (Domestic Substances List)
ethylbenzene (100-41-4)
Listed on the Canadian DSL (Domestic Substances List)
solvent naphtha (petroleum), light aromatic (64742-95-6)
Listed on the Canadian DSL (Domestic Substances List)
cumene (98-82-8)
Listed on the Canadian DSL (Domestic Substances List)
1,2,4-Trimethylbenzene (95-63-6)
Listed on the Canadian DSL (Domestic Substances List)
Aliphatic Hydrocarbon (64742-49-0)
Listed on the Canadian DSL (Domestic Substances List)
Amide L* (Proprietary*)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
Ethanol (64-17-5)
Listed on the Canadian DSL (Domestic Substances List)
Methanol (67-56-1)
Listed on the Canadian DSL (Domestic Substances List)
2-Propanol (67-63-0)
Listed on the Canadian DSL (Domestic Substances List)
Aromatic Hydrocarbon (64742-95-6)
Listed on the Canadian DSL (Domestic Substances List)
Methyl Ethyl Ketoxime (96-29-7)
Listed on the Canadian DSL (Domestic Substances List)
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)
Listed on the Canadian DSL (Domestic Substances List)
Decanedioic acid,(1,2,2,6,6-pentamethyl-4-piperidinyl) methyl ester (82919-37-7)
Listed on the Canadian DSL (Domestic Substances List)
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy- **(104810-48-2)**
Listed on the Canadian DSL (Domestic Substances List)
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxyopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- **(104810-47-1)**
Listed on the Canadian DSL (Domestic Substances List)
Polyethyleneglycol 300 (25322-68-3)
Listed on the Canadian DSL (Domestic Substances List)
Zinc 2-Ethylhexanoate (136-53-8)
Listed on the Canadian DSL (Domestic Substances List)
Mineral Spirits (Stoddard Solvent) (8052-41-3)
Listed on the Canadian DSL (Domestic Substances List)
Ethanol, 2-(2-butoxyethoxy)- (112-34-5)
Listed on the Canadian DSL (Domestic Substances List)
Napthalene (91-20-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
No additional information available

National regulations

quartz, conc respirable crystalline silica≥10% (14808-60-7)
Listed on IARC (International Agency for Research on Cancer)

titanium(IV) oxide (13463-67-7)
Listed on IARC (International Agency for Research on Cancer)

ethylbenzene (100-41-4)
Listed on IARC (International Agency for Research on Cancer)

cumene (98-82-8)
Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)

Ethanol (64-17-5)
Listed on IARC (International Agency for Research on Cancer)

Napthalene (91-20-3)
Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)

15.3. US State regulations

ethylbenzene (100-41-4)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	54

cumene (98-82-8)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	

Methanol (67-56-1)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	No	No	

Napthalene (91-20-3)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	

Heptan-2-one (110-43-0)
U.S. - New Jersey - Right to Know Hazardous Substance List

N-Butyl Acetate (123-86-4)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

quartz, conc respirable crystalline silica≥10% (14808-60-7)
U.S. - New Jersey - Right to Know Hazardous Substance List

Magnesium Silicate (1317-65-3)
U.S. - New Jersey - Right to Know Hazardous Substance List

titanium(IV) oxide (13463-67-7)
U.S. - New Jersey - Right to Know Hazardous Substance List

ethylbenzene (100-41-4)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

cumene (98-82-8)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

1,2,4-Trimethylbenzene (95-63-6)
U.S. - New Jersey - Right to Know Hazardous Substance List

Ethanol (64-17-5)
U.S. - New Jersey - Right to Know Hazardous Substance List

Methanol (67-56-1)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

2-Propanol (67-63-0)
U.S. - New Jersey - Right to Know Hazardous Substance List

Mineral Spirits (Stoddard Solvent) (8052-41-3)
U.S. - New Jersey - Right to Know Hazardous Substance List

Napthalene (91-20-3)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Revision date : 11/28/2018

Full text of H-phrases:

H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H227	Combustible liquid
H301	Toxic if swallowed
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
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
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

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product