

Safety Data Sheet

Baslac 45 Line Mixed Colours

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Version: 1.0

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(1098084/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Baslac 45 Line Mixed Colours

Recommended use of the chemical and restriction on use

Recommended use*: Paints, Coatings and Related Materials; for industrial use only

Unsuitable for use: Not intended for sale to or use by the general public.

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure
Aquatic Acute	3	Hazardous to the aquatic environment - acute

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Aquatic Chronic	2	Hazardous to the aquatic environment - chronic
Flam. Liq.	2	Flammable liquids
Acute Tox.	4	Acute toxicity
Carc.	1	Carcinogenicity
STOT RE	2	Specific target organ toxicity — repeated exposure

Label elements

Pictogram:



Signal Word:

Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H373	May cause damage to organs (Central nervous system) through prolonged or repeated exposure.
H402	Harmful to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P260	Do not breathe mist or vapour or spray.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Precautionary Statements (Response):

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P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Hazards not otherwise classified

Labeling of special preparations (GHS):

May cause cancer. Contains formaldehyde. This product is capable of releasing formaldehyde into the air.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

1-Propanol

CAS Number: 71-23-8
Content (W/W): ≥ 0.0 - $< 20.0\%$
Synonym: 1-Propanol; Propyl alcohol

2-Propanol

CAS Number: 67-63-0
Content (W/W): ≥ 0.0 - $< 50.0\%$
Synonym: 2-Propanol; Isopropyl alcohol, Isopropanol

1-methoxypropan-2-ol

CAS Number: 107-98-2
Content (W/W): ≥ 0.0 - $< 50.0\%$
Synonym: 1-Methoxy-2-propanol; Propylene glycol monomethyl ether

butan-2-ol

CAS Number: 78-92-2
Content (W/W): ≥ 0.0 - $< 20.0\%$
Synonym: sek.-Butanol

2-dimethylaminoethanol

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CAS Number: 108-01-0

Content (W/W): ≥ 0.0 - $< 3.0\%$

Synonym: N,N-Dimethyl(2-hydroxyethyl)amine; 2(Dimethylamino)ethanol, Deanol

ethylbenzene

CAS Number: 100-41-4

Content (W/W): ≥ 0.0 - $< 1.0\%$

Synonym: Ethylbenzene

2-butoxyethanol

CAS Number: 111-76-2

Content (W/W): ≥ 0.0 - $< 50.0\%$

Synonym: 2-Butoxyethanol; Ethylene glycol monobutyl ether

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

CAS Number: 126-86-3

Content (W/W): ≥ 0.0 - $< 7.0\%$

Synonym: 2,4,7,9-Tetramethyl-5-decyne-4,7-diol

Aluminum oxide

CAS Number: 1344-28-1

Content (W/W): ≥ 0.0 - $< 20.0\%$

Synonym: Aluminium oxide; Alumina

1-methoxy-2-propylacetate

CAS Number: 108-65-6

Content (W/W): ≥ 0.0 - $< 20.0\%$

Synonym: 2-Methoxy-1-methylethyl acetate; 1-Methoxy-2-propyl acetate

Barium sulfate

CAS Number: 7727-43-7

Content (W/W): ≥ 0.0 - $< 5.0\%$

Synonym: Barium sulfate, natural

melamine

CAS Number: 108-78-1

Content (W/W): ≥ 0.0 - $< 3.0\%$

Synonym: 1,3,5-Triazine-2,4,6-triamine; 2,4,6-Triamino-1,3,5-triazine, Melamine

Titanium dioxide

CAS Number: 13463-67-7

Content (W/W): ≥ 0.0 - $< 75.0\%$

Synonym: C.I. Pigment White 6

Copper, [1-[[[2-(hydroxy-.kappa.O)phenyl]imino-.kappa.N]methyl]-2-naphthalenolato(2-)-.kappa.O]-

CAS Number: 15680-42-9

Content (W/W): ≥ 0.0 - $< 10.0\%$

Synonym: Copper, [1-[[[2-(hydroxyphenyl)imino]methyl]-2-naphthalenolato(2-)-N,O,O']-

Butyl diglycol

CAS Number: 112-34-5

Content (W/W): ≥ 0.0 - $< 3.0\%$

Synonym: Butylcarbitol

propylene glycol monoethyl ether

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CAS Number: 1569-02-4
Content (W/W): ≥ 0.0 - $< 50.0\%$
Synonym: No data available.

dodecan-1-ol

CAS Number: 112-53-8
Content (W/W): ≥ 0.0 - $< 0.3\%$
Synonym: 1-Dodecanol

zinc phosphate

CAS Number: 7779-90-0
Content (W/W): ≥ 0.0 - $< 3.0\%$
Synonym: Trizinc bis(orthophosphate)

sulphanilic acid

CAS Number: 121-57-3
Content (W/W): ≥ 0.0 - $< 1.0\%$
Synonym: 4-Aminobenzenesulfonic acid; Sulfanilic acid

Phosphoric acid, aluminum salt (1:1)

CAS Number: 7784-30-7
Content (W/W): ≥ 0.0 - $< 3.0\%$
Synonym: No data available.

n-Butyl acetate

CAS Number: 123-86-4
Content (W/W): ≥ 0.0 - $< 20.0\%$
Synonym: Essigsäure-n-butylester

hydrophobic amorphous silica

CAS Number: 68611-44-9
Content (W/W): ≥ 0.0 - $< 5.0\%$
Synonym: No data available.

Iron oxide

CAS Number: 1309-37-1
Content (W/W): ≥ 0.0 - $< 25.0\%$
Synonym: C.I. 77491

dichromium trioxide

CAS Number: 1308-38-9
Content (W/W): ≥ 0.0 - $< 5.0\%$
Synonym: Chrom(III)-oxid

copper phthalocyanine blue

CAS Number: 147-14-8
Content (W/W): ≥ 0.0 - $< 15.0\%$
Synonym: No data available.

Rutile (TiO₂)

CAS Number: 1317-80-2
Content (W/W): ≥ 0.0 - $< 15.0\%$
Synonym: Rutile(TiO₂)

carbon black

CAS Number: 1333-86-4

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Content (W/W): ≥ 0.0 - $< 10.0\%$

Synonym: C.I. 77266

Xylene

CAS Number: 1330-20-7

Content (W/W): ≥ 0.0 - $< 7.0\%$

Synonym: Xylene; Dimethylbenzene

talc

CAS Number: 14807-96-6

Content (W/W): ≥ 0.0 - $< 3.0\%$

Synonym: hydrated magnesium silicate

carbon black

CAS Number: 1333-86-4

Content (W/W): ≥ 0.0 - $< 5.0\%$

Synonym: No data available.

Mica-group minerals

CAS Number: 12001-26-2

Content (W/W): ≥ 0.0 - $< 20.0\%$

Synonym: Mica

Silicon dioxide

CAS Number: 7631-86-9

Content (W/W): ≥ 0.0 - $< 15.0\%$

Synonym: Siliciumdioxid

graphite

CAS Number: 7782-42-5

Content (W/W): ≥ 0.0 - $< 25.0\%$

Synonym: No data available.

Naphtha, hydrotreated heavy, Flashpoint $\geq 55^{\circ}\text{C}$

CAS Number: 64742-48-9

Content (W/W): ≥ 0.0 - $< 5.0\%$

Synonym: No data available.

Aluminum

CAS Number: 7429-90-5

Content (W/W): ≥ 0.0 - $< 50.0\%$

Synonym: No data available.

Naphtha, hydrotreated heavy, Flashpoint $< 55^{\circ}\text{C}$

CAS Number: 64742-48-9

Content (W/W): ≥ 0.0 - $< 5.0\%$

Synonym: No data available.

Silane, dichlorodimethyl-, reaction products with silica

CAS Number: 68611-44-9

Content (W/W): ≥ 0.0 - $< 5.0\%$

Synonym: Dichlorodimethylsilane reaction products with silica

aluminium hydroxide

CAS Number: 21645-51-2

Content (W/W): ≥ 0.0 - $< 3.0\%$

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Synonym: Aluminium hydroxide

Chromium, tetrachloro- μ -hydroxy[.mu.-(2-methyl-2-propenoato- κ O: κ O')]]di-

CAS Number: 15096-41-0

Content (W/W): ≥ 0.0 - $< 0.3\%$

Synonym: No data available.

Hexamethylen-1,6-diisocyanat Homopolymer

CAS Number: 28182-81-2

Content (W/W): ≥ 0.0 - $< 100.0\%$

Synonym: No data available.

azo nickel complex pigment

CAS Number: 68511-62-6

Content (W/W): ≥ 0.0 - $< 7.0\%$

Synonym: No data available.

3-(3-Isodecyloxypropylamino)propylamine

CAS Number: 72162-46-0

Content (W/W): ≥ 0.0 - $< 1.0\%$

Synonym: No data available.

Titanium oxide (TiO₂)

CAS Number: 13463-67-7

Content (W/W): ≥ 0.0 - $< 50.0\%$

Synonym: C.I. Pigment White 6

4. First-Aid Measures

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

Seek medical attention. Immediately wash affected area with soap and water for 20-30 minutes or until chemical is removed.

If in eyes:

Flush with copious amounts of water for at least 15 minutes. Hold eyelids open to facilitate rinsing. If irritation develops, seek medical attention. Seek medical attention.

If swallowed:

Immediate medical attention required. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Rinse mouth and then drink 200-300 ml of water.

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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.

Information on: 2-Propanol

Symptoms: Overexposure may cause:, headache, dizziness, coordination disorder, coma, abdominal cramps, nausea, vomiting

Information on: n-butanol

Symptoms: Overexposure may cause:, headache, dizziness, coordination disorder, coma, lacrimation, loss of hearing

Information on: 1,2,4-trimethylbenzene

Symptoms: Overexposure may cause:, headache, tiredness, nausea, anxiety, asthma, bronchitis, noncardiogenic pulmonary edema

Information on: cumene

Symptoms: Overexposure may cause:, unconsciousness, coordination disorder, headache, dizziness

Information on: n-Butyl acetate

Symptoms: Overexposure may cause:, unconsciousness, vomiting, weakness, coordination disorder, nausea, diarrhea, coughing, headache

Information on: N-Methylpyrrolidone

Symptoms: Overexposure may cause:, Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, Inhalation may provoke the following symptoms:, irritation of respiratory tract, coughing

Information on: Rutile (TiO₂)

Symptoms: No data available.

Information on: carbon black

Symptoms: Overexposure may cause:, rhinitis, irritation of the mucous membranes, irritates the eyes and respiratory tract, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

Information on: Barium sulfate

Symptoms: Overexposure may cause:, rhinitis, irritation of the mucous membranes, irritates the eyes and respiratory tract, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

Information on: Titanium dioxide

Symptoms: Overexposure may cause:, rhinitis, irritation of the mucous membranes, irritates the eyes and respiratory tract, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

Information on: Benzene, trimethyl-

Symptoms: Overexposure may cause:, Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, Inhalation may provoke the following symptoms:, irritation of respiratory tract, coughing

Information on: Solvent naphtha (petroleum), light arom.

Symptoms: Overexposure may cause:, Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, Ingestion may provoke the following symptoms:, asphyxia, dyspnea, choking, respiratory arrest, circulatory collapse, death

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Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

carbon dioxide, foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

Vapors and/or decomposition products are irritant and/or toxic. If product is heated above decomposition temperature acrid smoke and fumes will be released.

Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Notify proper authorities. Do not flood burning material with water due to potential spreading of fire. Flash fire may occur. Run-off water from fire may cause pollution. Contain contaminated water/firefighting water. Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Use antistatic tools. Extinguish sources of ignition nearby and downwind. Avoid prolonged inhalation. Wear suitable personal protective clothing and equipment. Ensure adequate ventilation.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

Methods and material for containment and cleaning up

Dike spillage. Spills should be contained, solidified, and placed in suitable containers for disposal. Place into appropriately labeled waste containers.

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7. Handling and Storage

Precautions for safe handling

Handle and open container with care. WARNING: Empty containers may still contain hazardous residue. Use static lines when mixing and transferring material. Do not puncture, drop, or slide containers. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

Proper ventilation and respiratory protection is required when sanding, flame cutting, welding or brazing coated surfaces. Do not apply to hot surfaces.

Protection against fire and explosion:

Risk of explosion if heated under confinement. Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. Provide adequate ventilation to remove solvent vapors from lower levels or work areas and to prevent solvent contact with ignition sources. Sealed containers should be protected against heat as this results in pressure build-up.

Conditions for safe storage, including any incompatibilities

Segregate from strong bases. Segregate from oxidizing agents. Segregate from incompatible substances. Segregate from strong acids.

Further information on storage conditions: Keep container tightly closed. Protect from direct sunlight.

Storage stability:

Consult local fire marshal for storage requirements.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

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2-Propanol	ACGIH, US: ACGIH, US: OSHA Z1:	STEL value 400 ppm ; TWA value 200 ppm ; PEL 400 ppm 980 mg/m3 ;
1-Propanol	ACGIH, US: OSHA Z1:	TWA value 100 ppm ; PEL 200 ppm 500 mg/m3 ;
butan-2-ol	ACGIH, US: OSHA Z1:	TWA value 100 ppm ; PEL 150 ppm 450 mg/m3 ;
ethylbenzene	ACGIH, US: OSHA Z1:	TWA value 20 ppm ; PEL 100 ppm 435 mg/m3 ;
1-methoxypropan-2-ol	ACGIH, US: ACGIH, US:	TWA value 50 ppm ; STEL value 100 ppm ;
2-butoxyethanol	ACGIH, US: OSHA Z1: OSHA Z1:	TWA value 20 ppm ; PEL 50 ppm 240 mg/m3 ; Skin Designation ; The substance can be absorbed through the skin.
Butyl diglycol	ACGIH, US:	TWA value 10 ppm Inhalable fraction and vapor ;
n-Butyl acetate	ACGIH, US: ACGIH, US: OSHA Z1:	STEL value 150 ppm ; TWA value 50 ppm ; PEL 150 ppm 710 mg/m3 ;
dichromium trioxide	OSHA Z1: ACGIH, US: ACGIH, US: OSHA Z1:	PEL 0.5 mg/m3 (Chromium (Cr)); TWA value 0.003 mg/m3 Inhalable fraction (chromium(III)); TWA value 0.003 mg/m3 Inhalable fraction (chromium(III)); PEL 0.5 mg/m3 (Chromium (Cr));
Iron oxide	ACGIH, US: OSHA Z1:	TWA value 5 mg/m3 Respirable fraction ; PEL 10 mg/m3 fumes/smoke ;

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Rutile (TiO ₂)	OSHA Z3:	TWA value 15 millions of particles per cubic foot of air Respirable fraction ;
	OSHA Z3:	TWA value 5 mg/m ³ Respirable fraction ;
	OSHA Z3:	TWA value 50 millions of particles per cubic foot of air Total dust ;
	OSHA Z3:	TWA value 15 mg/m ³ Total dust ;
	ACGIH, US:	TWA value 0.2 mg/m ³ Respirable nanoscale particles ;
	ACGIH, US:	TWA value 2.5 mg/m ³ Respirable finescale particles ;
	ACGIH, US:	TWA value 3 mg/m ³ Respirable particles ;
	ACGIH, US:	TWA value 10 mg/m ³ Inhalable particles ;
	OSHA Z1:	PEL 15 mg/m ³ Total dust ;
	OSHA Z1:	PEL 15 mg/m ³ Total dust ;
	OSHA Z1:	PEL 5 mg/m ³ Respirable fraction ;
C.I. Pigment Green 7	ACGIH, US:	TWA value 1 mg/m ³ Dust and mist (copper (Cu));
	ACGIH, US:	TWA value 0.2 mg/m ³ fumes/smoke (copper (Cu));
Xylene	OSHA Z1:	PEL 100 ppm 435 mg/m ³ ;
	ACGIH, US:	TWA value 20 ppm ;
carbon black	ACGIH, US:	TWA value 3 mg/m ³ Inhalable fraction ;
	OSHA Z1:	PEL 3.5 mg/m ³ ;
Aluminum oxide	ACGIH, US:	TWA value 1 mg/m ³ Respirable fraction ;
	OSHA Z1:	PEL 5 mg/m ³ Respirable fraction ;
	OSHA Z1:	PEL 15 mg/m ³ Total dust ;
	ACGIH, US:	TWA value 10 mg/m ³ Inhalable particles ;
	ACGIH, US:	TWA value 3 mg/m ³ Respirable particles ;
Silicon dioxide	ACGIH, US:	TWA value 10 mg/m ³ Inhalable particles ;
	ACGIH, US:	TWA value 3 mg/m ³ Respirable particles ;
	OSHA Z3:	TWA value 15 mg/m ³ Total dust ;
	OSHA Z3:	TWA value 5 mg/m ³ Respirable fraction ;
	OSHA Z3:	TWA value 50 millions of particles per cubic foot of air Total dust ;
	OSHA Z3:	TWA value 15 millions of particles per cubic foot of air Respirable fraction ;
	OSHA Z3:	TWA value 0.8 mg/m ³ ; The exposure limit is calculated from the equation, 80mg/m ³ /(%SiO ₂), using a value of 100% SiO ₂ . Lower percentages of SiO ₂ will yield higher exposure limits.
	OSHA Z3:	TWA value 20 millions of particles per cubic foot of air ;
Barium sulfate	ACGIH, US:	TWA value 5 mg/m ³ Inhalable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.
	OSHA Z1:	PEL 15 mg/m ³ Total dust ;
	OSHA Z1:	PEL 5 mg/m ³ Respirable fraction ;

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graphite	ACGIH, US:	TWA value 2 mg/m3 Respirable fraction ;
	OSHA Z1:	PEL 15 mg/m3 Total dust ;
	OSHA Z1:	PEL 5 mg/m3 Respirable fraction ;
	OSHA Z1:	PEL 5 mg/m3 Respirable fraction ;
	OSHA Z1:	PEL 15 mg/m3 Total dust ;
Mica-group minerals	OSHA Z3:	TWA value 20 millions of particles per cubic foot of air ;
	ACGIH, US:	TWA value 0.1 mg/m3 Respirable fraction ;
	OSHA Z1:	PEL 15 mg/m3 Total dust ;
	OSHA Z1:	PEL 5 mg/m3 Respirable fraction ;
Titanium dioxide	ACGIH, US:	TWA value 2.5 mg/m3 Respirable finescale particles ;
	ACGIH, US:	TWA value 0.2 mg/m3 Respirable nanoscale particles ;
	OSHA Z1:	PEL 15 mg/m3 Total dust ;
talc	ACGIH, US:	TWA value 2 mg/m3 Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.
	OSHA Z3:	TWA value 20 millions of particles per cubic foot of air ;
	OSHA Z3:	TWA value 2.4 millions of particles per cubic foot of air Respirable ; The exposure limit is calculated from the equation, $250/(\%SiO_2+5)$, using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.
	OSHA Z3:	TWA value 0.1 mg/m3 Respirable ; The exposure limit is calculated from the equation, $10mg/m3/(\%SiO_2+2)$, using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.
aluminium hydroxide	ACGIH, US:	TWA value 1 mg/m3 Respirable fraction ;
	ACGIH, US:	TWA value 3 mg/m3 Respirable particles ;
	ACGIH, US:	TWA value 10 mg/m3 Inhalable particles ;
Silane, dichlorodimethyl-, reaction products with silica	OSHA Z3:	TWA value 0.8 mg/m3 ; The exposure limit is calculated from the equation, $80mg/m3/(\%SiO_2)$, using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.
	OSHA Z3:	TWA value 20 millions of particles per cubic foot of air ;
	ACGIH, US:	TWA value 3 mg/m3 Respirable particles ;
	ACGIH, US:	TWA value 10 mg/m3 Inhalable particles ;
	OSHA Z3:	TWA value 50 millions of particles per cubic foot of air Total dust ;
	OSHA Z3:	TWA value 5 mg/m3 Respirable fraction ;
	OSHA Z3:	TWA value 15 mg/m3 Total dust ;
	OSHA Z3:	TWA value 15 millions of particles per cubic foot of air Respirable fraction ;

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Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, chlorinated	ACGIH, US:	TWA value 1 mg/m3 Dust and mist (copper (Cu));
	ACGIH, US:	TWA value 0.2 mg/m3 fumes/smoke (copper (Cu));
Phosphoric acid, aluminum salt (1:1) Chromium, tetrachloro-μ-hydroxy[.mu.-(2-methyl-2-propenoato-κO:κO')]di-	ACGIH, US:	TWA value 1 mg/m3 Respirable fraction ;
	ACGIH, US:	TWA value 0.003 mg/m3 Inhalable fraction (chromium(III));
	ACGIH, US:	TWA value 0.003 mg/m3 Inhalable fraction (chromium(III));
	OSHA Z1:	PEL 0.5 mg/m3 (Chromium (Cr));
propylene glycol monoethyl ether	ACGIH, US:	TWA value 50 ppm ;
	ACGIH, US:	STEL value 200 ppm ;
	ACGIH, US:	Skin Designation ; The substance can be absorbed through the skin.
	ACGIH, US:	Skin Designation ; Danger of cutaneous absorption
	ACGIH, US:	Skin Designation ; Danger of cutaneous absorption
Aluminum	ACGIH, US:	TWA value 1 mg/m3 Respirable fraction ;
	OSHA Z1:	PEL 5 mg/m3 Respirable fraction (aluminum (Al));
	OSHA Z1:	PEL 15 mg/m3 Total dust (aluminum (Al));
Titanium oxide (TiO2)	ACGIH, US:	TWA value 2.5 mg/m3 Respirable finescale particles ;
	ACGIH, US:	TWA value 0.2 mg/m3 Respirable nanoscale particles ;
	OSHA Z1:	PEL 15 mg/m3 Total dust ;
carbon black	ACGIH, US:	TWA value 3 mg/m3 Inhalable fraction ;
	OSHA Z1:	PEL 3.5 mg/m3 ;
hydrophobic amorphous silica	OSHA Z3:	TWA value 0.8 mg/m3 ; The exposure limit is calculated from the equation, 80mg/m3)/(%SiO2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.
	OSHA Z3:	TWA value 20 millions of particles per cubic foot of air ;
	ACGIH, US:	TWA value 3 mg/m3 Respirable particles ;
	ACGIH, US:	TWA value 10 mg/m3 Inhalable particles ;
	OSHA Z3:	TWA value 50 millions of particles per cubic foot of air Total dust ;
	OSHA Z3:	TWA value 5 mg/m3 Respirable fraction ;
	OSHA Z3:	TWA value 15 mg/m3 Total dust ;
	OSHA Z3:	TWA value 15 millions of particles per cubic foot of air Respirable fraction ;
copper phthalocyanine blue	ACGIH, US:	TWA value 0.2 mg/m3 fumes/smoke (copper (Cu));
	ACGIH, US:	TWA value 1 mg/m3 Dust and mist (copper (Cu));

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Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

General mechanical ventilation should comply with OSHA 1910.94. Minimal concentrations of free formaldehyde may be liberated during the cross-linking/curing in curing ovens (i.e. baking).

Personal protective equipment

Respiratory protection:

Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Respiratory protection may not be required under normal operating conditions if adequate ventilation is provided. Wear a NIOSH-certified (or equivalent) organic vapour respirator. Particulate filters should be added during spray operations. Wear respiratory protection if ventilation is inadequate.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

Use appropriate chemically impervious gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

Eye protection:

Wear face shield if splashing hazard exists. Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Work place should be equipped with a shower and an eye wash. Remove contaminated clothing. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Contact lenses should not be worn. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	liquid
Odour:	No applicable information available.
Odour threshold:	No applicable information available.
Colour:	various
pH value:	No applicable information available.
Melting point:	No applicable information available.
Freezing point:	No applicable information available.
Boiling point:	$\geq 82\text{ }^{\circ}\text{C}$ $\geq 180\text{ }^{\circ}\text{F}$
Sublimation point:	No applicable information available.
Flash point:	$> 15\text{ }^{\circ}\text{C}$ $> 59\text{ }^{\circ}\text{F}$
Flammability:	The product burns self-sustainingly No applicable information available.
Lower explosion limit:	No applicable information available.
Upper explosion limit:	No applicable information available.
Autoignition:	No applicable information available.

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Vapour pressure:	No applicable information available.
Density:	No applicable information available. 0.900 - 1.639 g/cm ³ (20 °C) 7.5109 - 9.8392 lb/USg
Relative density:	No applicable information available.
Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.
Thermal decomposition:	No applicable information available.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	>= 6.0 mm ² /s (23 °C)
Solubility in water:	No applicable information available.
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Molar mass:	No applicable information available.
Evaporation rate:	No applicable information available.

10. Stability and Reactivity

Reactivity

No applicable information available.

Chemical stability

The product is chemically stable.

Possibility of hazardous reactions

No applicable information available.

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

Incompatible materials

strong oxidizing agents, strong bases, strong acids

Hazardous decomposition products

Decomposition products:
nitrogen oxides, carbon dioxide, carbon monoxide
formaldehyde

Thermal decomposition:
No applicable information available.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

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Acute toxicity

Assessment of acute toxicity: Based on available data, the classification criteria are not met.

Oral

Type of value: ATE

Value: 370,370 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

Inhalation

Type of value: ATE

Value: 210 mg/l

The product has not been tested. The statement has been derived from the properties of the individual components.

Dermal

Type of value: ATE

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion

Assessment of irritating effects: Skin contact causes irritation. May cause severe damage to the eyes.

Information on: 2-Propanol

Assessment of irritating effects: Not irritating to the skin. Eye contact causes irritation.

Information on: n-butanol

Assessment of irritating effects: Skin contact causes irritation. Risk of serious damage to eyes.

Information on: 1,2,4-trimethylbenzene

Assessment of irritating effects: Skin contact causes irritation. Eye contact causes irritation. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: cumene

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes. Causes temporary irritation of the respiratory tract.

Information on: N-Methylpyrrolidone

Assessment of irritating effects: Irritating to eyes, respiratory system and skin.

Information on: Benzene, trimethyl-

Assessment of irritating effects: Skin contact causes irritation. Eye contact causes irritation. EU-classification The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Solvent naphtha (petroleum), light arom.

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Assessment of irritating effects: May cause slight irritation to the skin. May cause slight irritation to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated exposure may affect certain organs.

Information on: 2-Propanol

Assessment of repeated dose toxicity: The substance may cause damage to the kidney after repeated inhalation.

Information on: n-Butyl acetate

Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation.

Information on: N-Methylpyrrolidone

Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation. The substance may cause damage to the testes after repeated inhalation of high doses.

Information on: carbon black

Assessment of repeated dose toxicity: Chronic exposures have been known to produce pneumoconiosis (chronic inflammatory and fibrotic lung disease). The substance may cause increase in lung mass and lung tissue changes after repeated inhalation. Repeated oral uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects.

Information on: Titanium dioxide

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects. The substance may cause increase in lung mass and lung tissue changes after repeated inhalation.

Information on: Solvent naphtha (petroleum), light arom.

Assessment of repeated dose toxicity: After repeated exposure the prominent effect is local irritation. The substance may cause damage to the liver after repeated ingestion. Effects on the kidney of male rats were detected after repeated exposure. These effects are specific for the male rat and are known to be of no relevance to humans. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Genetic toxicity

Assessment of mutagenicity: Based on available data, the classification criteria are not met.

Information on: carbon black

Assessment of mutagenicity: Results from a number of mutagenicity studies with microorganisms and mammalian cell culture are available. Taking into account all of the information, there is no indication that the substance is mutagenic. Based on the structure, there is a suspicion of a mutagenic effect.

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The substance was genotoxic in a test with mammals. The effect may result from a secondary mechanism.

Carcinogenicity

Assessment of carcinogenicity: May cause cancer.

Information on: cumene

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part. A clear indication of an increased risk of cancer in humans has so far not been shown. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

Information on: Rutile (TiO₂)

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.

Information on: carbon black

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. A clear indication of an increased risk of cancer in humans has so far not been shown. No carcinogenic potential can be deduced from other studies with rats and mice.

Information on: Titanium dioxide

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.

Reproductive toxicity

Assessment of reproduction toxicity: Based on available data, the classification criteria are not met.

Information on: N-Methylpyrrolidone

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. As shown in animal studies, the product may cause damage to the testes after repeated high exposures that cause other toxic effects. The effects observed on testes and sperm parameters did not affect fertility in rats.

Teratogenicity

Assessment of teratogenicity: Based on available data, the classification criteria are not met.

Information on: n-butanol

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*Assessment of teratogenicity: Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.
The potential to cause toxicity to development cannot be excluded when given in high doses.*

Information on: N-Methylpyrrolidone

Assessment of teratogenicity: After the uptake of small doses toxicity to development will not be expected in humans. Effects observed at maternally toxic doses.

Medical conditions aggravated by overexposure

The use of products that contain or liberate formaldehyde is regulated under the OSHA Formaldehyde Standard (see 29 CFR 1910.1048). Consult the standard for medical surveillance requirements.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. Toxic to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

13. Disposal considerations

Waste disposal of substance:

Do not incinerate closed containers. The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste. Do not discharge into drains/surface waters/groundwater.

Incinerate or dispose of in a RCRA-licensed facility. Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Do not reuse containers without commercial reconditioning.

Dispose of in accordance with national, state and local regulations.

14. Transport Information

Reference Bill of Lading

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

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EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
98-82-8	cumene
67-63-0	2-Propanol
71-36-3	n-butanol
95-63-6	1,2,4-trimethylbenzene
872-50-4	N-Methylpyrrolidone
7727-43-7	Barium sulfate

CERCLA RQ

<u>CAS Number</u>	<u>Chemical name</u>
5000 LBS	78-83-1; 98-82-8; 108-10-1; 78-93-3
1000 LBS	1310-73-2; 7727-43-7; 100-41-4
100 LBS	67-63-0; 78-92-2; 103-65-1; 1330-20-7; 1338-24-5; 71-23-8; 107-98-2; 95-50-1; 75-56-9; 64742-48-9
10 LBS	1308-14-1; 1308-38-9

State regulations

State RTK

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	67-63-0	2-Propanol
	71-36-3	n-butanol
	95-63-6	1,2,4-trimethylbenzene
	123-86-4	n-Butyl acetate
	872-50-4	N-Methylpyrrolidone
	1333-86-4	carbon black
PA	50-00-0	Formaldehyde
	67-63-0	2-Propanol
	71-36-3	n-butanol
	95-63-6	1,2,4-trimethylbenzene
	123-86-4	n-Butyl acetate
	872-50-4	N-Methylpyrrolidone
	1333-86-4	carbon black
	7727-43-7	Barium sulfate
	25551-13-7	Benzene, trimethyl-

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including METHYL ISOBUTYL KETONE (MIBK), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:

Health: 3 Fire: 3 Reactivity: 0 Special:

HMIS III rating

Health: 3⁺ Flammability: 3 Physical hazard: 0

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16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2023/06/14

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