

Safety Data Sheet

LP20 Epoxy Primer W

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Version: 14.0

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(30487731/SDS_GEN_CA/EN)

1. Identification

Product identifier used on the label

LP20 Epoxy Primer W

Recommended use of the chemical and restriction on use

Recommended use*: Coatings and related products

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 Canada Inc.
5025 Creekbank Road
Building A, Floor 2
Mississauga, ON, L4W 0B6, CANADA

Telephone: +1 289 360-1300

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: (800) 454-COPE (2673)

Other means of identification

Chemical family: Coating

2. Hazards Identification

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Classification of the product

Skin Corr./Irrit.

2

Eye Dam./Irrit.

2A

Skin Sens.

1

Skin corrosion/irritation

Serious eye damage/eye irritation

Skin sensitization

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Muta.	2	Germ cell mutagenicity
Carc.	1 (by inhalation)	Carcinogenicity
Carc.	2	Carcinogenicity
Repr.	2 (fertility, unborn child)	Reproductive toxicity
STOT RE	2	Specific target organ toxicity — repeated exposure
STOT RE	1 (by inhalation)	Specific target organ toxicity — repeated exposure
STOT RE	2 (by inhalation)	Specific target organ toxicity — repeated exposure
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic
Flam. Liq.	2	Flammable liquids

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.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer by inhalation.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility. Suspected of damaging the unborn child.
H412	Harmful to aquatic life with long lasting effects.
H373	May cause damage to organs (Central nervous system, Kidney, Liver) through prolonged or repeated exposure.
H373	May cause damage to organs (Kidney, Immune system) through prolonged or repeated exposure (inhalation).

Hazard Statement:

H372	Causes damage to organs (Lung) through prolonged or repeated exposure (inhalation).
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Precautionary Statements (Prevention):

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P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P270	Do not eat, drink or smoke when using this product.
P202	Do not handle until all safety precautions have been read and understood.
P240	Ground and bond container and receiving equipment.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.
P260	Do not breathe mist or vapour or spray.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P308 + P313	IF exposed or concerned: Get medical attention.
P337 + P313	If eye irritation persists: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.

Precautionary Statements (Storage):

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

No applicable information available.

3. Composition / Information on Ingredients

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

talc

CAS Number: 14807-96-6
Content (W/W): ≥ 15.0 - $< 20.0\%$
Synonym: hydrated magnesium silicate

Rutile (TiO₂)

CAS Number: 1317-80-2
Content (W/W): ≥ 10.0 - $< 15.0\%$

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Synonym: Rutile(TiO₂)

aromatic epoxy resin compound , molecular weight < 700

CAS Number: 25036-25-3

Content (W/W): >= 10.0 - < 15.0%

Synonym: No data available.

Quartz (SiO₂)

CAS Number: 14808-60-7

Content (W/W): >= 10.0 - < 15.0%

Synonym: Silicon dioxide

Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight <= 700)

CAS Number: 25068-38-6

Content (W/W): >= 7.0 - < 10.0%

Synonym: Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane

4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene

CAS Number: 98-56-6

Content (W/W): >= 5.0 - < 7.0%

Synonym: No data available.

Acetone

CAS Number: 67-64-1

Content (W/W): >= 3.0 - < 5.0%

Synonym: 2-Propanone Acetone; Dimethyl ketone

n-Butyl acetate

CAS Number: 123-86-4

Content (W/W): >= 3.0 - < 5.0%

Synonym: Essigsäure-n-butylester

Xylene

CAS Number: 1330-20-7

Content (W/W): >= 3.0 - < 5.0%

Synonym: Xylene; Dimethylbenzene

2-heptanone

CAS Number: 110-43-0

Content (W/W): >= 1.0 - < 3.0%

Synonym: 2-Heptanone; Methyl n-amyl ketone

Solvent naphtha (petroleum), heavy arom.

CAS Number: 64742-94-5

Content (W/W): >= 1.0 - < 3.0%

Synonym: Lösungsmittelnaphtha (Erdöl), schwere aromatische

butyl 2,3-epoxypropyl ether

CAS Number: 2426-08-6

Content (W/W): >= 1.0 - < 3.0%

Synonym: (Butoxymethyl)oxirane; Butyl glycidyl ether

(3-glycidoxypropyl) trimethoxysilane

CAS Number: 2530-83-8

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Content (W/W): $\geq 1.0 - < 3.0\%$

Synonym: No data available.

Benzene, (1,1-dimethylethyl)-

CAS Number: 98-06-6

Content (W/W): $\geq 1.0 - < 3.0\%$

Synonym: tert.-Butylbenzol

naphthalene

CAS Number: 91-20-3

Content (W/W): $\geq 0.3 - < 1.0\%$

Synonym: Naphthalin

ethylbenzene

CAS Number: 100-41-4

Content (W/W): $\geq 0.3 - < 1.0\%$

Synonym: Ethylbenzene

4. First-Aid Measures

Description of first aid measures

General advice:

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:

Immediately wash thoroughly with soap and water, seek medical attention.

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.

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: Acetone

Symptoms: Overexposure may cause:, Eye irritation, irritates the eyes and respiratory tract, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, CNS depression

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Information on: naphthalene

Symptoms: Overexposure may cause: perspiration, methaemoglobinaemia, loss of appetite, hemoglobinuria, hemolytic anemia, corneal injury, nausea, headache

Information on: Benzene, (1,1-dimethylethyl)-

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

Information on: ethylbenzene

Symptoms: Overexposure may cause: Eye irritation, skin irritation, irritation of the mucous membranes, erythema, nausea, headache, dizziness, diarrhea, abdominal cramps, dermatitis, loss of hearing, Ingestion may provoke the following symptoms: asphyxia, dyspnea, choking, respiratory arrest, circulatory collapse

Information on: 2-heptanone

Symptoms: Overexposure may cause: headache, dizziness, nausea, unconsciousness

Information on: n-Butyl acetate

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

Information on: Rutile (TiO₂)

Symptoms: No data available.

Information on: Xylene

Symptoms: Overexposure may cause: coma, weakness, lethargy, confusion, dyspnea, nausea, headache, dizziness

Information on: butyl 2,3-epoxypropyl ether

Symptoms: Overexposure may cause: allergic contact dermatitis, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

Information on: talc

Symptoms: Overexposure may cause: vomiting, convulsions, cyanosis, irregular breathing, dyspnea

Information on: Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight <= 700)

Symptoms: Overexposure may cause: Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

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

Symptoms: Overexposure may cause: unconsciousness, vomiting, lethargy, confusion, nausea, headache, dizziness

Information on: aromatic epoxy resin compound , molecular weight < 700

Symptoms: No data available.

Information on: 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene

Symptoms: Overexposure may cause: lethargy, nausea, headache, dizziness

Information on: Quartz (SiO₂)

Symptoms: Overexposure may cause: rhinitis, irritation of the mucous membranes, irritates the eyes and respiratory tract, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, Inhalation may provoke the following symptoms: coughing, dyspnea, wheezing, respiratory disorders, kidney damage, Repeated exposure may affect the immune system.

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Information on: (3-glycidoxypopyl) trimethoxysilane

Symptoms: Overexposure may cause: corneal injury, skin corrosion, severe pain, coughing, respiratory disorders, dyspnea, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

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

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.

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.

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.

Suitable materials for containers: tinned carbon steel (Tinplate), Stove-lacquer KNS L-5X, Carbon steel (Iron), Stove-lacquer RDL 50, Stove-lacquer Valspar HXR008F red

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

Storage stability:

Consult local fire marshal for storage requirements.

Protect from temperatures above: 49 °C

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Formaldehyde	ACGIH, US:	STEL value 0.3 ppm ;
	ACGIH, US:	TWA value 0.1 ppm ;
	OSHA, US:	STEL value 2 ppm ;
	OSHA, US:	OSHA Action level 0.5 ppm ;
	OSHA, US:	TWA value 0.75 ppm ;
Acetone	ACGIH, US:	TWA value 250 ppm ;
	ACGIH, US:	STEL value 500 ppm ;
	OSHA Z1:	PEL 1,000 ppm 2,400 mg/m3 ;

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naphthalene	ACGIH, US: ACGIH, US: OSHA Z1:	TWA value 10 ppm ; Skin Designation ; Danger of cutaneous absorption PEL 10 ppm 50 mg/m3 ;
ethylbenzene	ACGIH, US: OSHA Z1:	TWA value 20 ppm ; PEL 100 ppm 435 mg/m3 ;
2-heptanone	ACGIH, US: OSHA Z1:	TWA value 50 ppm ; PEL 100 ppm 465 mg/m3 ;
n-Butyl acetate	ACGIH, US: ACGIH, US: OSHA Z1:	STEL value 150 ppm ; TWA value 50 ppm ; PEL 150 ppm 710 mg/m3 ;
Rutile (TiO2)	OSHA Z3: OSHA Z3: OSHA Z3: OSHA Z3: ACGIH, US: ACGIH, US: OSHA Z1: OSHA Z1: OSHA Z1:	TWA value 15 millions of particles per cubic foot of air Respirable fraction ; TWA value 5 mg/m3 Respirable fraction ; TWA value 50 millions of particles per cubic foot of air Total dust ; TWA value 15 mg/m3 Total dust ; TWA value 3 mg/m3 Respirable particles ; TWA value 10 mg/m3 Inhalable particles ; PEL 15 mg/m3 Total dust ; PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
Xylene	OSHA Z1: ACGIH, US:	PEL 100 ppm 435 mg/m3 ; TWA value 20 ppm ;
butyl 2,3-epoxypropyl ether	ACGIH, US: OSHA Z1: ACGIH, US: ACGIH, US:	TWA value 3 ppm ; PEL 50 ppm 270 mg/m3 ; Skin Designation ; Danger of cutaneous absorption Skin Designation ; Danger of cutaneous absorption
talc	ACGIH, US: OSHA Z3: OSHA Z3: OSHA Z3:	TWA value 2 mg/m3 Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica. TWA value 20 millions of particles per cubic foot of air ; 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. 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.

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Quartz (SiO ₂)	OSHA, US:	TWA value 0.05 mg/m ³ (Respirable dust);
	OSHA, US:	OSHA Action level 0.025 mg/m ³ (Respirable dust);
	ACGIH, US:	TWA value 0.025 mg/m ³ Respirable fraction ;

Advice on system design:

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

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.

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 data available.
Odour threshold:	No applicable information available.
Colour:	grey
pH value:	No applicable information available.
	substance/mixture is non-soluble (in water)
Melting point:	No applicable information available.
Freezing point:	No applicable information available.
Boiling range:	82 - 92 °C
Sublimation point:	No applicable information available.
Flash point:	2 °C
	The product burns self-sustainingly
Flammability:	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:	87.00 hPa (20 °C) 297.00 hPa (50 °C)
Density:	1.529 g/cm3 (20 °C)
Relative density:	1.5290 (20 °C)
Vapour density:	Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Thermal decomposition:	No applicable information available.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	20.7 mm2/s (23 °C) (40 °C) No data available.
Solubility in water:	No applicable information available.
Miscibility with water:	immiscible
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:
carbon dioxide, carbon monoxide

Thermal decomposition:
No applicable information available.

11. Toxicological information

Primary routes of exposure

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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.

Primary routes of entry

Solvents are absorbed through the skin.

Acute Toxicity/Effects

Acute toxicity

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

Oral

Type of value: LD50

Species: rat

Value: 1,670.000000 mg/kg

Type of value: ATE

Value: 18,748 mg/kg

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

Inhalation

Type of value: LC50

Species: rat

Value: > 5.300000 mg/l

Type of value: ATE

Value: 155 mg/l

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

Dermal

Type of value: LD50

Species: rabbit

Value: 4,250.000000 mg/kg

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:

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

Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

Information on: ethylbenzene

Assessment of irritating effects: May cause slight irritation to the skin. May cause slight irritation to the eyes.

Sensitization

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Assessment of sensitization: Sensitization after skin contact possible.

Information on: Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight ≤ 700)

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. Repeated exposure to small quantities may affect certain organs.

Information on: ethylbenzene

Assessment of repeated dose toxicity: The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause deafness after repeated inhalation. The substance may cause deafness after repeated ingestion.

Information on: Quartz (SiO₂)

Assessment of repeated dose toxicity: The substance may cause increase in lung mass and lung tissue changes after repeated inhalation.

This product may contain greater than 0.1% crystalline silica. Repeated exposure to high concentrations results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses.

Genetic toxicity

Assessment of mutagenicity: Mutagenic properties can not be excluded on the basis of experimental data.

Information on: naphthalene

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was mutagenic in a mammalian cell culture test system. The substance was not mutagenic in a test with mammals. Literature data.

Information on: butyl 2,3-epoxypropyl ether

Assessment of mutagenicity: Mutagenic properties can not be excluded on the basis of experimental data.

Information on: Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight ≤ 700)

Assessment of mutagenicity: The substance was mutagenic in a bacterial test system. The substance was mutagenic in a mammalian cell culture test system.

Information on: (3-glycidoxypyl) trimethoxysilane

Assessment of mutagenicity: The substance was mutagenic in various test systems with microorganisms, mammalian cell culture and mammals.

Carcinogenicity

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Assessment of carcinogenicity: May cause cancer. Indication of possible carcinogenic effect in animal tests.

Information on: naphthalene

Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by inhalation, a carcinogenic effect was observed. EU-classification The substance was classified as a group 3 carcinogen by the German MAK-Commission (substances for which a suspicion of a carcinogenic potential exists). IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

Information on: ethylbenzene

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: butyl 2,3-epoxypropyl ether

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. EU-classification

Information on: Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight <= 700)

Assessment of carcinogenicity: The substance showed no carcinogenic activity in animals after chronic administration to the skin.

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

Assessment of carcinogenicity: Long-term exposure to highly irritating concentrations resulted in skin tumors in animals. A carcinogenic effect in humans can be excluded after brief skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. On the basis of currently available information, a final assessment is not possible.

IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). NTP listed as reasonably anticipated to be a human carcinogen.

Information on: Quartz (SiO₂)

Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosols is classified by the German MAK commission as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic

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*effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.
NTP listed carcinogen*

*Information on: (3-glycidoxypropyl) trimethoxysilane
Assessment of carcinogenicity: The substance showed no carcinogenic activity in animals after chronic administration to the skin.*

Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect.

*Information on: Acetone
Assessment of reproduction toxicity: As shown in animal studies, the product may cause damage to the testes after repeated high exposures that cause other toxic effects.*

*Information on: butyl 2,3-epoxypropyl ether
Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.*

*Information on: 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene
Assessment of reproduction toxicity: The potential to impair fertility cannot be excluded when given at high doses. On the basis of currently available information, a final assessment is not possible.
No reproductive toxic effects reported.*

Teratogenicity

Assessment of teratogenicity: Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

*Information on: naphthalene
Assessment of teratogenicity: Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals. Literature data.*

*Information on: butyl 2,3-epoxypropyl ether
Assessment of teratogenicity: Indications of possible developmental toxicity/teratogenicity were seen in animal studies. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.*

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

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

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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.

Must be disposed of or incinerated in accordance with local regulations.

Container disposal:

Do not reuse containers without commercial reconditioning. WARNING: Empty containers may still contain hazardous residue.

14. Transport Information

Land transport

TDG

Hazard class:	3
Packing group:	II
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT

Sea transport

IMDG

Hazard class:	3
Packing group:	II
ID number:	UN 1263
Hazard label:	3
Marine pollutant:	NO
Proper shipping name:	PAINT

Air transport

IATA/ICAO

Hazard class:	3
Packing group:	II
ID number:	UN 1263
Hazard label:	3
Proper shipping name:	PAINT

15. Regulatory Information

Federal Regulations**Registration status:**

Chemical DSL, CA released; restriction on use and qty. / listed
CG2V147#18p2078-2089

NFPA Hazard codes:

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Health: 2

Fire: 3

Reactivity: 0

Special:

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2024/03/20

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

END OF DATA SHEET