Revised: 19 May 2025

SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

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

1.1 Product identifier

- Product Name: Strongcoat HB PE - Base

Other means of Identification

- UFI: -
- Product Part Number: C15/05/05/184 - B

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

- Use of the substance/mixture: Base component of roll applied epoxy flooring

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Don Construction Products Inc.
- Address of Supplier: Lancaster
  SC 2970
  USA
- Telephone: +1 803 286 5430
- Fax: +1 803 286 5432
- Email: info.usa@dcp-int.com

1.4 Emergency telephone number

- Emergency Telephone: +1 803 286 5430 (available during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Sens. 1, Skin Irrit. 2, Eye Irrit. 2, Repr. Cat. 1B, Aquatic Chronic 2

2.2 Label elements

- Signal Word: Danger

Hazard statements

H360Fd - May damage fertility. Suspected of damaging the unborn child.

SECTION 2: Hazards identification (....)

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H317 - May cause an allergic skin reaction.

H411 - Toxic to aquatic life with long lasting effects.

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statements

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P405 - Store locked up.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P281 - Use personal protective equipment as required.

P201 - Obtain special instructions before use.

P264 - Wash hands thoroughly after handling.

P501 - Dispose of contents/container to an authorised waste collection point

2.3 Other hazards

- Contains: Bis-[4-(2,3-epoxipropoxi)phenyl]propane
  oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

bis-[4-(2,3-epoxipropoxi)phenyl]propane

CAS Number:	1675-54-3
EC Number:	216-823-5
Concentration:	10 - 30%
Categories:	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS09, GHS07
H Statements:	H315, H317, H319, H411
REACH Registration Number:	01-2119456619-26-0006

Bisphenol F diglycidyl ether, reaction mass of isomers

CAS Number:	-
EC Number:	701-263-0
Concentration:	5 - 15%
Categories:	Skin Irrit. 2, Skin Sens. 1A, Aquatic Chronic 2

SECTION 3: Composition/information on ingredients (....)

Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS09, GHS07
H Statements:	H315, H317, H411
REACH Registration Number:	01-2119454392-40-0003

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

CAS Number:	68609-97-2
EC Number:	271-846-8
Concentration:	1 - 10%
Categories:	Skin Irrit. 2, Skin Sens. 1, Repr. Cat. 1B
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS08
H Statements:	H315, H317, H360F
REACH Registration Number:	01-2119485289-22-0005

Distillates (petroleum), hydrotreated light; Kerosine - unspecified

CAS Number:	64742-47-8
EC Number:	265-149-8
Concentration:	< 0.5%
Categories:	Asp. Tox. 1
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS08
H Statements:	H304
REACH Registration Number:	01-2119485032-45

Polyamine amide salt

CAS Number:	-
EC Number:	-
Concentration:	< 0.2%
Categories:	Skin Irrit. 2
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	None
H Statements:	H315

xylene

CAS Number:	1330-20-7

SECTION 3: Composition/information on ingredients (....)

EC Number:	215-535-7
Concentration:	< 0.2%
Categories:	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS02, GHS07
H Statements:	H226, H312, H332, H373, H335, H315, H319, H304
REACH Registration Number:	01-2119488216-32

ethylbenzene

CAS Number:	100-41-4
EC Number:	202-849-4
Concentration:	< 0.1%
Categories:	Acute Tox. 4, STOT RE 2
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS02, GHS07, GHS08
H Statements:	H225, H332, H304, H373
REACH Registration Number:	01-2119489370-35

Di-"isononyl" phthalate

CAS Number:	68515-48-0
EC Number:	271-090-9
Concentration:	1 - 5%
Categories:	Not Classified
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	None
H Statements:	None
REACH Registration Number:	02-2119432682-41

Silica sand

CAS Number:	14808-60-7
EC Number:	238-878-4
Concentration:	30 - 60%
Categories:	Not Classified
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	None

SECTION 3: Composition/information on ingredients (....)

H Statements:	None

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone

CAS Number:	872-50-4
EC Number:	212-828-1
Concentration:	< 0.1%
Categories:	Skin Irrit. 2, Eye Irrit. 2, Repr. Cat. 1B, STOT SE 3
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS08, GHS07
H Statements:	H360D, H319, H335, H315
REACH Registration Number:	01-2119472430-46

toluene

CAS Number:	108-88-3
EC Number:	203-625-9
Concentration:	≤ 0.0015%
Categories:	Skin Irrit. 2; Repr. 2; STOT SE 3; STOT RE 2
Specific Concentration Limits:	None assigned
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS02, GHS08, GHS07
H Statements:	H225, H361d, H304, H373, H315, H336
REACH Registration Number:	01-2119471310-51

Iron hydroxide oxide yellow

CAS Number:	51274-00-1
EC Number:	257-098-5
Concentration:	< 0.16%
Categories:	Not Classified
Specific Concentration Limits:	None assigned
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	None
H Statements:	None

carbon black

CAS Number:	1333-86-4
EC Number:	215-609-9
Concentration:	< 0.01%
Categories:	Not Classified
Specific Concentration Limits:	None assigned
M factor:	No information available

SECTION 3: Composition/information on ingredients (....)

Acute toxicity estimate:	Not available
Symbols:	None
H Statements:	None
REACH Registration Number:	01-2119384822-32

2,6-di-tert-butyl-p-cresol

CAS Number:	128-37-0
EC Number:	204-881-4
Concentration:	< 0.001%
Categories:	Aquatic Chronic 1
Specific Concentration Limits:	None assigned
M factor:	1
Acute toxicity estimate:	Not available
Symbols:	GHS09
H Statements:	H410
REACH Registration Number:	01-2119565113-46

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing.

Apply artificial respiration only if patient is not breathing but do not use mouth to mouth resuscitation

IF exposed or concerned: Get medical advice/attention.

Contact with skin

May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

IF exposed or concerned: Get medical advice/attention.

Contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention.

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Seek immediate medical attention.

IF exposed or concerned: Get medical advice/attention.

SECTION 4: First aid measures (....)

4.2 Most important symptoms and effects, both acute and delayed

- Adverse symptoms may include the following:
  reduced fetal weight
  increase in fetal deaths
  skeletal malformations

Contact with eyes

Irritating to eyes

Contact with skin

Irritating to skin
May cause an allergic skin reaction.

Inhalation

No specific symptoms known.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
- Contact poison treatment specialist

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Extinguish with foam, carbon dioxide, dry powder or water spray.
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- Decomposition products may include nitrogen and carbon oxides
- Decompoition products may include halogenated compounds

5.3 Advice for firefighters

- Wear chemical protection suit and positive-pressure breathing apparatus
- In case of fire: Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation
- Wear suitable protective clothing
- Avoid contact with skin and eyes
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wash thoroughly after dealing with spillage
- Evacuate the area and keep personnel upwind

6.2 Environmental precautions

SECTION 6: Accidental release measures (....)

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Avoid release to the environment.
- Prevent further spilage if safe
- Soak up with inert absorbent
- Sweep or shovel-up spillage and remove to a safe place
- Place in appropriate container
- Wash thoroughly after dealing with spillage
- Wear suitable protective clothing, eye/face protection and gloves
- Collect spillage.

6.4 Reference to other sections

- For personal protection see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid contact during pregnancy and while nursing.
- Avoid exposure - obtain special instructions before use
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid release to the environment.
- Ensure adeguate ventilation. if ventilation is unavailable or insufficient use suitable respiratory protection.
- Do not reuse empty containers
- Store in original, tightly closed containers
- Keep away from food, drink and animal feedingstuffs
- Wash contaminated clothing before reuse.
- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Store in a cool, dry, well ventilated area.
- Store in a dry environment away from direct sunlight.
- Store in original, correctly labelled and tightly closed containers
- Store locked up.

7.3 Specific end use(s)

- No information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

bis-[4-(2,3-epoxipropoxi)phenyl]propane

DNELs

-Workers:
- Short term systemic exposure (dermal): 8.3 mg/kg bw/day
- Short term systemic exposure (inhalation): 12.3 mg/m³
- Long term systemic exposure (dermal): 8.3 mg/kg bw/day
- Long term systemic exposure (inhalation): 12.3 mg/m³

-General Population:
- Short term systemic exposure (dermal): 3.6 mg/kg bw/day
- Short term systemic exposure (inhalation): 0.75 mg/m³
- Short term systemic exposure (oral): 0.75 mg/kg bw/day
- Long term systemic exposure (dermal): 3.6 mg/kg bw/day
- Long term systemic exposure (inhalation): 0.75 mg/m³
- Long term systemic exposure (oral): 0.75 mg/kg bw/day

PNECs
- Fresh Water: 6 µg/l
- Marine: 1 µg/l
- Sewage Treatment Plant: 10 mg/l
- Fresh water sediment: 0.341 mg/kg dw
- Marine water sediment: 0.341 mg/kg dw
- Soil: 0.065 mg/kg dw

Bisphenol F diglycidyl ether, reaction mass of isomers

DNELs:

-Workers:
- Short term local exposure (dermal): 8.3 µg/cm²
- Long term systemic exposure (dermal): 104.15 mg/kg bw/day
- Long term systemic exposure (inhalation): 29.39 mg/m³

-General Population:
- Long term systemic exposure (dermal): 62.5 mg/kg bw/day
- Long term systemic exposure (inhalation): 8.7 mg/m³
- Long term systemic exposure (oral): 6.25 mg/kg bw/day

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

PNECs

- Soil: 61.42 mg/kg dw

xylene

WEL (Workplace Exposure limits):
- 50 ppm (TWA)
- 220 mg/m³ (TWA)
(skin)

SECTION 8: Exposure controls/personal protection (....)

- 100 ppm (STEL)
- 441 mg/m³ (STEL)

ILV (Indicative Limit Values):
- 50 ppm (TWA)
- 221 mg/m³ (TWA)
- 100 ppm (STEL)
- 442 mg/m³ (STEL)

Biological Exposure Limit(s):
Biological Monitoring Guidance 650 mmol/mol creatinine medium: urin time: post shift parameter: Methyl Values (United Kingdom) hippuric acid
Biological Exposure Indices (ACGIH): 1.5 g/g creatinine (urine - end of shift)

DNELs

- Workers:
  - Short term, systemic exposure (inhalation): 442 mg/m³
  - Short term, local exposure (inhalation): 442 mg/m³
  - Long term, systemic exposure (dermal): 212 mg/kg
  - Long term, systemic exposure (inhalation): 221 mg/m³
  - Long term, local exposure (inhalation): 221 mg/m³

- General Population:
  - Short term, systemic exposure (inhalation): 260 mg/m³
  - Short term, local exposure (inhalation): 260 mg/m³
  - Long term, systemic exposure (dermal): 125 mg/kg/day
  - Long term, systemic exposure (inhalation): 65.3 mg/m³
  - Long term, local exposure (inhalation): 65.3 mg/m³
  - Long term, systemic exposure (Oral): 12.5 mg/kg/day

PNECs

- Fresh water : 0.327 mg/l
- Intermittent water release: 0.327 mg/l
- Marine water : 0.327 mg/l
- Sewage treatment plant : 6.58 mg/l
- Sediment (fresh water) : 12.46 mg/kg
- Sediment (marine water) : 12.46 mg/kg
- Soil : 2.31 mg/kg

ethylbenzene

WEL (Workplace Exposure limits):
- 100 ppm (TWA)
- 441 mg/m³ (TWA)
  (skin)
- 125 ppm (STEL)
- 552 mg/m³ (STEL)

ILV (Indicative Limit Values):
- 100 ppm (TWA)
- 442 mg/m³ (TWA)

SECTION 8: Exposure controls/personal protection (....)

- 200 ppm (STEL)
- 884 mg/m³ (STEL)

Biological Exposure Limit(s):
Biological Exposure Indices (ACGIH): 0.15 g/g creatinine (urine - end of shift)

DNELs

- Workers:
  - Long term, systemic exposure (dermal): 180 mg/kg/day
  - Long term, systemic exposure (inhalation): 77 mg/m³
  - Long term, local exposure (inhalation): 293 mg/m³

- General Population:
  - Long term, systemic exposure (inhalation): 15 mg/m³
  - Long term, systemic exposure (Oral): 1.6 mg/kg/day

PNECs

- Fresh water : 0.1 mg/l
- Intermittent water release : 0.1 mg/l
- Marine water : 0.01 mg/l
- Sewage treatment plant : 9.6 mg/l
- Sediment (fresh water) : 13.7 mg/kg
- Sediment (marine water) : 1.37 mg/kg
- Soil : 2.68 mg/kg
- Oral (secondary poisoning): 20 mg/kg food

toluene

WEL (Workplace Exposure limits):
- 50 ppm (TWA)
- 191 mg/m³ (TWA)
  (skin)
- 100 ppm (STEL)
- 384 mg/m³ (STEL)

ILV (Indicative Limit Values):
- 50 ppm (TWA)
- 192 mg/m³ (TWA)
- 100 ppm (STEL)
- 384 mg/m³ (STEL)

Biological Exposure Limit(s):
Biological Exposure Indices (ACGIH): 0.3 mg/g creatinine (urine - end of shift)
0.02 mg/l (blood - prior to last shift of workweek)
0.03 mg/l (urine - end of shift)

DNELs

- Workers:
  - Short term, systemic exposure (inhalation): 384 mg/m³
  - Short term, local exposure (inhalation): 384 mg/m³
  - Long term, systemic exposure (dermal): 384 mg/kg/day

SECTION 8: Exposure controls/personal protection (....)

- Long term, systemic exposure (inhalation): 192 mg/m³
- Long term, local exposure (inhalation): 192 mg/m³

- General Population:
  - Short term, systemic exposure (inhalation): 260 mg/m³
  - Short term, local exposure (inhalation): 260 mg/m³
  - Long term, systemic exposure (dermal): 125 mg/kg/day
  - Long term, systemic exposure (inhalation): 65.3 mg/m³
  - Long term, local exposure (inhalation): 65.3 mg/m³
  - Long term, systemic exposure (Oral): 12.5 mg/kg/day

PNECs

- Fresh water : 0.68 mg/l
- Marine water : 0.68 mg/l
- Sewage treatment plant : 13.61 mg/l
- Sediment (fresh water) : 16.39 mg/kg
- Sediment (marine water) : 16.39 mg/kg
- Soil : 2.89 mg/kg

N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone

DNELs
- Workers:
  - Inhalation: 14.4 mg/m³
  - Dermal: 4.8 mg/kg/day

8.2 Exposure controls

- Ensure adequate ventilation
- Wash thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Provide eyewash station. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated.
- Wear suitable protective clothing, eye/face protection and gloves
- Keep away from food, drink and animal feedingstuffs

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Various
- Odour: Characteristic odour
- Melting point/Range: Not available
- Boiling Point/Range: No data available
- Flammability: No information available

SECTION 9: Physical and chemical properties (....)

- Lower explosive limit: NA% (in air)
- Upper explosive limit: NA% (in air)
- Flashpoint: >93°C
- Autoignition Temperature: NA
- Decomposition temperature: NA
- pH: No information available
- Kinematic viscosity: NA mm²/s
- Solubility: NA
- Vapour Pressure: Not available
- Density: 1.600 - 1.750 g/cm³
- Vapour Density: Not available
- Particle characteristics: NA
- Solubility in water: Immiscible with water

9.2 Other information

9.2.1 Information with Regard to Physical Hazard Classes
No Information Available

9.2.2 Other Safety Characteristics
No Information Available

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Hazardous reactions or instability may occur under certain conditions of storage or use.

10.4 Conditions to avoid

- Caustic soda (sodium hydroxide) can induce vigorous

10.5 Incompatible materials

- Strong oxidising agents
- Strong acids.
- sodium hydroxide

10.6 Hazardous decomposition products

- No hazardous decomposition products known

- Polymerises exothermically with amines, mercaptans and Lewis acids at ambient temperature and above.
- Polymerises in contact with caustic soda. Reacts exothermically with bases (eg caustic soda), ammonia, primary and secondary amines, alcohols, water and acids. Reacts with strong oxidising agents.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

bis-[4-(2,3-epoxipropoxi)phenyl]propane

Acute Toxicity:
- LD_{50} oral (rat): 11,400 mg/kg
- LD_{50} dermal (rat): 2,000 mg/kg

Acute Toxicity Estimates:
- Oral: 11400 mg/kg

Irritation/Corrosion:
- Skin, Erythrma/Eschar, 404 Acute Dermal, Irritation/Corrosion (rabbit):
  Score: 1.5 - 2.0
- Skin, Edema, 404 Acute Dermal, Irritation/Corrosion (rabbit):
  Score: 1.0 - 1.5
- Eyes, 405 Acute Eye, Irriation/Corrosion (rabbit):
  Score: 0
- Eyes, Redness of the conjunctivae (rabbit):
  Exposure: 24 hrs
- Skin, Moderate Irritant (rabbit):
  Exposure: 24hrs

Sensitization:
- Remarks: In an OECD No. 429 mouse LLNA study the estimated EC3 was a concentration of 5.7% suggesting that BADGE is a moderate skin sensitizer in this test system. In an OECD No. 406 guinea pig Maximization study BADGE induced positive dermal reaction in 100% of the test animals at a 50% concentration challenge dose. Therefore, BADGE is an "Extreme" skin sensitizer under the conditions of this study. BADGE was also positive for skin sensitization in an OECD No. 406 guinea pig Buehler method study.

Mutagenicity:
- Remarks: Did not induce evidence of chromosome damage in a mouse dominant lethal oral gavage study conducted up to a high dose level of 10 grams/kg and in a mouse micronucleus test conducted up to a high dose of 5000 mg/kg. Negative in a male mouse spermatocyte cytogenetic assay with treatment for 5 days by oral gavage up to a high dose of 3000 mg/kg. Did not induce an increase in the frequency of chromosome damage in a Chinese hamster bone marrow cytogenetic test by oral gavage up to a high dose of 3300 mg/kg. Failed to induce an increase of DNA strand breaks in rat liver cells following oral gavage treatment with 500 mg/kg as measured by alkaline elution.

Bisphenol F diglycidyl ether, reaction mass of isomers

Acute Toxicity:
- LD_{50} oral (rat): > 2,000 mg/kg
- LD_{50} dermal (rabbit): > 2,000 mg/kg

Irritation/Corrosion:
- Skin, Erythema/Eschar ,404 Acute Dermal ,Irritation/Corrosion (rabbit):
  Score: 0.7

SECTION 11: Toxicological information (....)

Exposure: 4hrs
Observation: 72 hrs
- Skin, Edema ,404 Acute Dermal ,Irritation/Corrosion (rabbit):
Score: 0
Exposure: 4hrs
Observation: 4 - 504 hrs
- Eyes, Cornea opacity, 405 Acute Eye, Irritation/Corrosion (rabbit):
Score: 0
Observation: 1 - 168 hrs
- Eyes, Iris lesion, 405 Acute Eye, Irritation/Corrosion (rabbit):
Score: 0
Observation: 1 - 168 hrs
- Eyes, Redness of the conjunctivae, 405 Acute Eye, Irritation/Corrosion (rabbit):
Score: 0
Observation: 1 - 168 hrs
- Eyes, Edema of the conjunctivae, 405 Acute Eye, Irritation/Corrosion (rabbit):
Score: 0
Observation: 1 - 168 hrs
- Skin, Mild irritant (rabbit):
Exposure: 24 hrs

Mutagenicity:
- Remarks: When Bisphenol F Diglycidylether was evaluated for genotoxicity potential in multiple GLP in vivo assays including the mouse micronucleus, rat in vivo/in vitro UDS and MutaMouse tests no evidence of genotoxicity was observed. The results of other in vivo tests for genotoxicity also supported these negative findings for BPFDGE. Therefore, Bisphenol F Diglycidylether is not genotoxic in vivo.

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.
Acute Toxicity:
- LD_{50} oral (rat): 17,100 mg/kg
- LD_{50} dermal (rabbit): > 4,000 mg/kg
Acute toxicity estimates:
- Oral; 11400 mg/kg

Irritation/Corrosion:
- Skin, Primary dermal irritation, index (PDII) OTS 798, 4470 Acute Dermal Irritation (rabbit):
Score: 4.1
Exposure: 24 hrs
Observation: 72 hrs
- Skin, Primary, dermal irritation, index (PDII) 404, Acute Dermal, Irritation/Corrosion (rabbit):
Score: 5.75
Exposure: 24 hrs
Observation: 72 hrs
- Eyes, Cornea opacity, 405 Acute Eye, Irritation/Corrosion (rabbit):
Score: 2
Observation: 1 - 24 hrs
- Skin, Moderate irritant (rabbit):
Exposure: 24 hrs

Sensitization:

SECTION 11: Toxicological information (....)

- Remarks: Sensitizing in a U.S. E.P.A. OTS test guideline no. 870.2600 Buehler method study demonstrating positive dermal reactions in 20/20 guinea pigs. An extreme sensitizer in an O.E.C.D. test guideline no. 406 guinea pig Maximization study

Reproductive toxicity:
- Fertility: Positive
- Species: Rat
- Dose: Oral: 10 mg/kg/d Repeated dose 443 Extended One-Generation Reproductive

Toxicity Study
Potential chronic health effects: NOAEL Dermal (rat) 1 mg/kg/d Repeated dose 411 Subchronic Dermal Toxicity: 90-day Study

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties
No Informaiotion Availble

11.2.2 Information on other hazards
No Information Available

SECTION 12: Ecological information

12.1 Toxicity

bis-[4-(2,3-epoxipropoxi)phenyl]propane

- Acute LC50 1.3 mg/l - 203, Fish, Acute Toxicity Test (fish):
  Exposure: 96 hrs
- Acute LC50 1.3 mg/l 203, Fish, Acute Toxicity Test (fish):
  Exposure: 96 hrs
- Acute EC50 2.1 mg/l - 202, Daphnia sp. Acute, Immobilization Test and reproduction test (water flea):
  Exposure: 84 hrs
- Acute LC50 > 11 mg/l (algae):
  Exposure: 72 hrs
- Chronic NOEC 0.3 mg/l semi-static test 211 Daphnia Magna Reproduction Test (water flea):
  Exposure: 21 d

Bisphenol F diglycidyl ether, reaction mass of isomers
- Acute LC50 2.54 mg/l (fish)
  Exposure: 96 hrs
- Acute EC50 2.55 mg/l - 202 Daphnia sp. Acute Immobilization Test and Reproduction Test (water flea);
  Exposure: 48 hrs
- Acute EC50 > 1,000 mg/l 201, Alga, Growth Inhibition Test (algae):
  Exposure: 72 hrs

oxirane, mono[(C12-14-alkyloxy)methyl] derivs
- Acute LC50 > 1.8 g/l - 203, Fish, Acute Toxicity Test (Rainbow trout, donaldson trout):
  Exposure: 96 hrs
- Acute LC50 > 5 g/l - 203, Fish, Acute Toxicity Test (Bluegill):
  Exposure: 96 hrs

SECTION 12: Ecological information (....)

- Acute LC50 > 100 mg/l - 203, Fish, Acute Toxicity Test (Rainbow trout, donaldson trout):
  Exposure: 96 hrs
- Acute EC50 7.2 mg/l - 202, Daphnia sp. Acute, Immobilization Test and, Reproduction Test (water flea):
  Exposure: 48 hrs
- Acute EC50 > 844 mg/l 201, Alga, Growth Inhibition Test (algae):
  Exposure: 72 hrs

Xylene
- LC50 = 13.4 mg/L - Pimephales promelas (96h)
- LC50 2.661 - 4.093 mg/L - Oncorhynchus mykiss (96h)
- LC50 13.5 - 17.3 mg/L - Oncorhynchus mykiss (96h)
- LC50 13.1 - 16.5 mg/L - Lepomis macrochirus (96h)
- LC50 19 mg/L - Lepomis macrochirus (96h)
- LC50 7.711 - 9.591 mg/L - Lepomis macrochirus (96h)
- LC50 23.53 - 29.97 mg/L - Pimephales promelas (96h)
- LC50 780 mg/L - Cyprinus carpio (96h)
- LC50 > 780 mg/L - Cyprinus carpio (96h)
- LC50 30.26 - 40.75 mg/L - Poecilia reticulata (96h)
- EC50 3.82 mg/l - water flea (48h)
- LC50 0.6 mg/l - Gammarus lacustriss (48h)

Ethylbenzene
- LC50 11.0 - 18.0 mg/L - Oncorhynchus mykiss (96h)
- LC50 = 4.2 mg/L - Oncorhynchus mykiss (96h)
- LC50 7.55 - 11 mg/L - Pimephales promelas (96h)
- LC50 = 32 mg/L - Lepomis macrochirus (96h)
- LC50 9.1 - 15.6 mg/L - Pimephales promelas (96h)
- LC50 = 9.6 mg/L - Poecilia reticulata (96h)
- EC50 1.8 - 2.4 mg/L - Daphnia magna (48h)
- EC50 = 4.6 mg/L - Pseudokirchneriella subcapitata (72h)
- EC50 > 438 mg/L - Pseudokirchneriella subcapitata (96h)
- EC50 2.6 - 11.3 mg/L - Pseudokirchneriella subcapitata (72h)
- EC50 1.7 - 7.6 mg/L - Pseudokirchneriella subcapitata (96h)

Toluene
- LC50 = 5.5 mg/L - Oncorhynchus kisutch (96h)
- NOEC = 1.4 mg/L - Oncorhynchus kisutch (40d)
- EC50 = 3.78 mg/L - Ceriodaphnia dubia (48h)
- NOEC = 0.74 mg/L - Ceriodaphnia dubia(7d)
- EC50 = 134 mg/L - Chlorella vulgaris (3h) - reduced photosynthesis rate
- NOEC = 10 mg/L - skeletonema costatum (72h)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

bis-[4-(2,3-epoxipropoxi)phenyl]propane
- LogPow: 2.64 - 3.78
- BCF: 3 - 31
- Potential: Low

SECTION 12: Ecological information (....)

Bisphenol F diglycidyl ether, reaction mass of isomers
- LogPow: 3.3
- BCF: 150
- Potential: Low

oxirane, mono[(C12-14-alkyloxy)methyl] derivs.
- LogPow: 3.77
- BCF: 160 - 263
- Potential: Low

12.4 Mobility in soil

- immiscible with water

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Endocrine disrupting properties

- No information available

12.7 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Do not empty into drains - dispose of this material and container in a safe way
- Dispose of contents/container to an authorised waste collection point
- Small quantities of product may be treated with an equivalent quantity of product hardener,

SECTION 14: Transport information

14.1 Air (ICAO/IATA)

- ICAO UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- ICAO Hazard Class: 9
- ICAO Packing Group: III

14.2 Road/Rail (ADR/RID)

- ADR UN No.: 3082

SECTION 14: Transport information (....)

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- ADR Hazard Class: 9
- ADR Packing Group: III

14.3 Sea (IMDG)

- IMDG UN No.: 3082
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- IMDG Hazard Class: 9
- IMDG Packing Group.: III

14.4 Environmental hazards

- Marine Pollutant

14.5 Special precautions for user

- Contains: Bis-[4-(2,3-epoxipropoxi)phenyl]propane

  Bisphenol F diglycidyl ether, reaction mass of isomers

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

- No information available

14.7 Maritime transport in bulk according to IMO instruments

- No information available

SECTION 15: Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
- CAS Number: 100-41-4 and 1330-20-7 (Entry Number 40) - Not Applicable.
- CAS Number: 108-88-3 (Entry Number 48) - Not Applicable
- CAS Number: 872-50-4 (Entry Number 71)
- CAS Number: 68515-48-0 (Entry Number 52) - Not Applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None.

REACH - List of substances subject to authorisation

SECTION 15: Regulatory information (....)

(Annex XIV) : None.

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H312: Harmful in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H360D: May damage the unborn child. H360F: May damage fertility. H361d: Suspected of damaging the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long lasting effects.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

--- end of safety datasheet ---

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