
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 ESD Basecoat - Base
- Other means of Identification
- UFI: -
- Product Part Number: C11/05/09/171-BC-B

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

- Use of the substance/mixture: Base component of high build, electrostatically discharged floor coating basecoat

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Don Construction Products Ltd.
- Address of Supplier: Helions Bumpstead Road
Haverhill CB9 7AA
United Kingdom

- Telephone: +44 1 4407 66360
- Fax: +44 1 4407 68897
- Email: Info@donconstruction.co.uk, info.uk@dcp-int.com

1.4 Emergency telephone number

- Emergency Telephone: +44 1 4407 66360 (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

SECTION 2: Hazards identification (....)

H360F - May damage fertility.
 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.

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.
 Dispose of contents/container to an authorised waste collection point.

2.3 Other hazards

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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

CAS Number: 1675-54-3
 EC Number: 216-823-5
 Concentration: 50 - 75%
 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

Bisphenol F diglycidyl ether, reaction mass of isomers

CAS Number: -
 EC Number: 701-263-0
 Concentration: 25 - 50%
 Categories: Skin Irrit. 2, Skin Sens. 1A, Aquatic Chronic 2
 Specific Concentration Limits: No information available



Created: 18 Dec 2024

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

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

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

CAS Number: 68609-97-2
 EC Number: 271-846-8
 Concentration: 10 - 25%
 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

SECTION 4: First aid measures

4.1 Description of first aid measures

- No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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 unconscious, place in recovery position and get medical attention.
 Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
 IF exposed or concerned: Get medical advice/attention.

Contact with skin

Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists.
 Wash contaminated clothing thoroughly with water before removing it.
 Continue to rinse for at least 10 minutes.
 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

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

present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention.

Ingestion

Wash out mouth with water. Consult a doctor.

Do NOT induce vomiting.

Never give anything by mouth to an unconscious person

If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

If material has been swallowed and the exposed person is conscious, give small amount of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Contact with eyes

Irritating to eyes

Adverse symptoms may include the following:

pain or irritation

watering

redness

Contact with skin

Irritating to skin

Causes allergic reaction in susceptible people

Adverse symptoms may include the following:

reduced fetal weight

increase in fetal deaths

skeletal malformations

irritation

redness

Inhalation

Adverse symptoms may include the following:

reduced fetal weight

increase in fetal deaths

skeletal malformations

Ingestion

Adverse symptoms may include the following:

reduced fetal weight

increase in fetal deaths

skeletal malformations

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

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

- In a fire or if heated, a pressure increase will occur and the container may burst.
- Decomposition products may include halogen compounds
- Decomposition products may include carbon oxides

5.3 Advice for firefighters

- In case of fire: Evacuate area.
 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 - Wear self contained breathing apparatus and full protective clothing
 - Do not allow run-off water to enter sewers and water sources.
 - Wear chemical protection suit and positive-pressure breathing apparatus
-

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate the area and keep personnel upwind
- Ensure adequate ventilation. if ventilation is unavailable or insufficient use suitable respiratory protection.
- Wear suitable protective clothing
- Avoid contact with skin and eyes
- Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2 Environmental precautions

- 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
- Prevent further spillage if safe

6.3 Methods and material for containment and cleaning up

- Collect spillage.
- Avoid release to the environment.
- Contain spillage with sand, earth or other non-combustible material.
- This material and its container must be disposed of as hazardous waste

6.4 Reference to other sections

- For personal protection see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Adopt best Manual Handling considerations when handling, carrying and dispensing.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid contact during pregnancy and while nursing.
- Avoid exposure - obtain special instructions before use
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with skin and eyes
- [In case of inadequate ventilation] wear respiratory protection.
- Do not eat, drink or smoke when using this product.
- Keep only in original packaging.
- Keep container tightly closed.
- Wash thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not reuse container
- Wash contaminated clothing before reuse.
- Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Keep away from food, drink and animal feedingstuffs
- Store in original, tightly closed containers
- Store in a dry environment away from direct sunlight.
- Store in a cool, dry, well ventilated area.
- Store in correctly labelled 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-epoxipropoxy)phenyl]propane
DNELs

- Workers:

- Short term dermal systemic: 8.3 mg/kg bw/day

- Short term inhalation systemic: 12.3 mg/m³

- Long term dermal systemic: 8.3 mg/kg bw/day

- Long term inhalation systemic: 12.3 mg/m³

- General population:

- Short term dermal systemic: 3.6 mg/kg bw/day

- Short term inhalation systemic: 0.75 mg/m³

- Short term oral systemic: 0.75 mg/kg bw/day

- Long term dermal systemic: 3.6 mg/kg bw/day

- Long term inhalation systemic: 0.75 mg/m³

- Long term oral systemic: 0.75 mg/kg bw/day

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

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: 0.034 mg/kg bw
- Soil: 0.065 mg/kg dw

- Bisphenol F diglycidyl ether, reaction of mass isomers:

DNELs

- Workers:
 - Short term dermal local: 8.3 µg/cm²
 - Long term dermal systemic: 104.15 mg/kg bw/day
 - Long term inhalation systemic: 29.39 mg/m³
- General population:
 - Long term dermal systemic: 62.5 mg/kg bw/day
 - Long term inhalation systemic: 8.7 mg/m³
 - Long term oral systemic: 6.25 mg/kg bw/day

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

PNECs

- Soil: 61.42 mg/kg dw

8.2 Exposure controls



- In case of inadequate ventilation wear respiratory protection.
- Wash hands thoroughly after using this substance
- Contaminated work clothing should not be allowed out of the workplace.
- Eyewash bottles should be available
- Wear suitable gloves

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Yellow
- Odour: Slight
- Melting point/Range: Not available
- Boiling Point/Range: Not applicable
- Flammability: No information available
- Lower explosive limit: NA% (in air)
- Upper explosive limit: NA% (in air)
- Flashpoint: >150°C
- Autoignition Temperature: 400°C

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

- Decomposition temperature: NA
- pH: No information available
- Kinematic viscosity: NA mm²/s
- Solubility: NA
- Vapour Pressure: Not available
- Density: 1.12 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

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.

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

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Caustic soda (sodium hydroxide) can induce vigorous polymerisation at temperatures around 200°C.

10.5 Incompatible materials

- Strong oxidising agents
- Strong acids.
- Sodium hydroxide

10.6 Hazardous decomposition products

- No hazardous decomposition products known

SECTION 11: Toxicological information

11.1 Information on toxicological effects

SECTION 11: Toxicological information (....)

Acute toxicity

- bis-[4-(2,3-epoxipropoxy)phenyl]phenyl]propane
 - LD₅₀ Oral: 11,400 mg/kg (rat)
 - LD₅₀ Dermal: 2,000 mg/kg (rat)
- Bisphenol F diglycidyl ether, reaction mass of isomers
 - LD₅₀ Oral: >2,000 mg/kg (rat)
 - LD₅₀ Dermal: > 2,000 mg/kg (rabbit)
- oxirane, mono[C12-14-alkyloxy)methyl]dervis.
 - LD₅₀ Oral: 17,100 mg/kg (rat)
 - LD₅₀ Dermal: > 4,000 mg/kg (rabbit)

Acute toxicity estimates

- bis-[4-(2,3-epoxipropoxy)phenyl]phenyl]propane
 - Oral: 11400 mg/kg
- oxirane, mono[C12-14-alkyloxy)methyl]dervis.
 - Oral: 17100 mg/kg

Irritation/corrosion

- bis-[4-(2,3-epoxipropoxy)phenyl]phenyl]propane
 - Skin - Erythema/Eschar, 404 Acute Dermal, Irritation/Corrosion:
 - Score: 1.5 - 2 (Rabbit)
 - Skin - Edema 404 Acute Dermal, Irritation/Corrosion:
 - Score: 1.0 - 1.5 (Rabbit)
 - Eyes - 405 Acute, Eye, Irritation/Corrosion:
 - Score: 0 (Rabbit)
 - Eyes - Redness of the conjunctivae:
 - Score: 0.7 (Rabbit)
 - Skin - Moderate Irritant:
 - Score: -
 - Exposure: 24h
 - Skin - Severe irritant:
 - Score: -
 - Exposure: 24h
- Bisphenol F diglycidyl ether, reaction mass of isomers
 - Skin - Erythema/Eschar, 404 Acute Dermal, Irritation/Corrosion:
 - Score: 0.7 (Rabbit)
 - Exposure: 4h (Rabbit)
 - Observation: 72h (Rabbit)
 - Skin - Edema 404 Acute Dermal, Irritation/Corrosion:
 - Score: 0 (Rabbit)
 - Exposure: 4h (Rabbit)
 - Observation: 4 - 504h (Rabbit)
 - Eyes - Cornea opacity 405 Acute, Eye, Irritation/Corrosion:
 - Score: 0 (Rabbit)
 - Exposure: -
 - Observation: 1 - 168h (Rabbit)
 - Eyes - Irirs lesion, 405 Acute Eye, Irritation/Corrosion:
 - Score: 0 (Rabbit)
 - Exposure: -
 - Observation: 1 - 168h (Rabbit)
 - Eyes - Redness of the conjunctivae, 405 Acute Eye, Irritation/Corrosion:
 - Score: 0 (Rabbit)
 - Exposure: -
 - Observation: 1 - 168h (Rabbit)

SECTION 11: Toxicological information (....)

Eyes - Edema of the conjunctivae, 405 Acute Eye, Irritation/Corrosion

- Score: 0 (Rabbit)
- Exposure: -
- Observation: 1 - 168h (Rabbit)

Skin - Mild irritant:

- Exposure: 24h

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

Skin - Primary dermal irritation index (PDII) OTS 798, 4470 Acute Dermal Irritation

- Score: 4.1 (Rabbit)
- Exposure: 24h (Rabbit)
- Observation: 72h (Rabbit)

Skin - Primary dermal irritation index (PDII) 404, Acute dermal, Irritation/Corrosion:

- Score: 5.75 (Rabbit)
- Exposure: 24h (Rabbit)
- Observation: 72h (Rabbit)

Eyes - Cornea opacity 405 Acute Eye, Irritation/Corrosion:

- Score: 2 (Rabbit)
- Exposure: -
- Observation: 1 - 24h (Rabbit)

Skin - Moderate irritant:

- Exposure: 24h

Reproductive toxicity

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

Fertility: Positive

Species: Rat

Dose: Oral: 10 mg/kg/d

Potential chronic health effects

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

NAOEL Dermal: 1 mg/kg/d - 90d (rat)

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

No Information Available

11.2.2 Information on other hazards

No Information Available

SECTION 12: Ecological information

12.1 Toxicity

- No information available

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

Acute LC₅₀ - 203 Fish, Acute Toxicity Test: 13 mg/l (fish) - 96h

Acute EC₅₀ - 202 Daphnia sp. Acute Immobilization Test and Reproduction Test: 2.1 mg/l (water flea) - 48h

Acute LC₅₀ > 11 mg/l (Algae) - 72h

Chronic NOEC semi-static test 211 Daphnia Magna Reproduction Test: 0.3 mg/l (water flea) - 21d

Bisphenol F diglycidyl ether, reaction mass of isomers

Acute LC₅₀: 2.54 (Fish) - 96h

SECTION 12: Ecological information (....)

Acute EC₅₀ - 202 Daphnia sp. Acute Immobilization Test and Reproduction Test: 2.55 mg/l (water flea) - 48h

Acute EC₅₀ - 201 Algae, Growth Inhibition Test: > 1,000 mg/l (Algae) - 72h

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

Acute LC₅₀ - 203 Fish, Acute Toxicity Test: > 1.8 g/l (Rainbow trout, donaldson trout) - 96h

Acute LC₅₀ - 203 Fish, Acute Toxicity Test: > 5.0 g/l (Bluegill) - 96h

Acute LC₅₀ - 203 Fish, Acute Toxicity Test: > 100 mg/l (Rainbow trout, Donaldson trout) - 96h

Acute EC₅₀ - 202 Daphnia sp. Acute Immobilization Test and Reproduction Test: 7.2 mg/l (water flea) - 48h

Acute EC₅₀ - 201 Algae, Growth Inhibition Test: 844 mg/l (Algae) - 72h

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

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

LogPow: 2.64 - 3.78

BCF: 3 - 31 (31.00)

Potential: Low

Bisphenol F diglycidyl ether, reaction mass of isomers

LogPow: 3.3

BCF: 150

Potential: Low

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

LogPow: 3.77

BCF: 160 - 263 (160.00)

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

Created: 18 Dec 2024

SECTION 13: Disposal considerations (....)

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

SECTION 14: Transport information**14.1 Air (ICAO/IATA)**

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

14.2 Road/Rail (ADR/RID)

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

14.4 Environmental hazards

- No information available
- Marine Pollutant

14.5 Special precautions for user

- No information available
- Contains: Bis-[4-(2,3-epoxipropoxy)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
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SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**



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SECTION 15: Regulatory information (....)

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

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:- H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H360F: May damage fertility. 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 ---
