

**Safety Data Sheet according to Regulation  
(EC) 'No. 2020/878**



**SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**

<b>1.1 Product Identifier</b>	0151AN024A	<b>Revision Date:</b>	10/07/2024
<b>Product Name:</b>	CARBOGUARD 151-2 PART A	<b>Supersedes Date:</b>	25/02/2020
<b>UFI Code:</b>	No Information		
<b>Contain nanoform:</b>	No		
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Base component of 2 components coating - Industrial use. Advised against: others than recommended		
<b>1.3 Details of the supplier of the safety data sheet</b>			
<b>Importer:</b>	None		
<b>Manufacturer:</b>	StonCor Middle East L.L.C. Plot # B518, Al Quoz Industrial Area 3 P.O. Box: 3034 Dubai, U.A.E.		
	Regulatory / Technical Information: +971 4 347 0460 +971 4 347 0242 (fax)		
<b>Datasheet Produced by:</b>	Rivero, Melody - ehs@stoncor.com		
<b>1.4 Emergency telephone number:</b>	CHEMTREC +1 703 5273887 (Outside US) 112 (24/7) Croatia +3851 2348 342 (24/7 in Croatian and English) Iceland 112 (24/7) Malta 112 (24/7)		

**SECTION 2: Hazards Identification**

**2.1 Classification of the substance or mixture**

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

**HAZARD STATEMENTS**

Skin Irritation, category 2	H315
Skin Sensitizer, category 1	H317
Eye Irritation, category 2	H319
Hazardous to the aquatic environment, Chronic, category 2	H411

**2.2 Label elements****Symbol(s) of Product****Signal Word**

Warning

**Named Chemicals on Label**

Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700), Oxirane, mono [(C12-14-alkyloxy)methyl] derivs.

**HAZARD STATEMENTS**

Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Hazardous to the aquatic environment, Chronic, category 2	H411	Toxic to aquatic life with long lasting effects.

**PRECAUTION PHRASES**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.

**2.3 Other hazards**

No Information

**Results of PBT and vPvB assessment:**

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

**Endocrine disrupting properties - Toxicity**

Name According to EEC CAS-No.

No Information

**Endocrine disrupting properties - Ecotoxicity**

Name According to EEC CAS-No.

No Information

**SECTION 3: Composition/Information On Ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

**Hazardous ingredients**

<u>Name According to EEC</u> <u>EINEC No.</u> <u>CAS-No.</u> <u>REACH Reg No.</u>	<u>%</u>	<u>Classifications</u>	<b>SCL Value:</b> <b>ATE Value:</b> <b>M-Factor:</b>	
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700) 500-033-5 25068-38-6 01-2119456619-26-0029	50 - <75	H315-317-319-411  Aquatic Chronic 2, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1	<b>SCL Value:</b>  <b>ATE Value:</b>  <b>M-Factor: (acute)</b>  <b>M-Factor: (chronic)</b>	- - - -
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. 271-846-8 68609-97-2 No Information	10 - <25	H315-317  Skin Irrit. 2, Skin Sens. 1	<b>SCL Value:</b>  <b>ATE Value:</b>  <b>M-Factor: (acute)</b>  <b>M-Factor: (chronic)</b>	- - - -

magnesium carbonate 546-93-0 No Information	1.0 - <2.5	H319  Eye Irrit. 2	<b>SCL Value:</b> -  <b>ATE Value:</b> -  <b>M-Factor: (acute)</b> -  <b>M-Factor: (chronic)</b> -	
Naphtha (petroleum), hydrodesulfurized heavy 265-185-4 64742-82-1 01-2119458049-33	<0.1	H226-304-336-411  Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 3, Skin Cracking, STOT SE 3 NE	<b>SCL Value:</b> -  <b>ATE Value:</b> -  <b>M-Factor: (acute)</b> -  <b>M-Factor: (chronic)</b> -	

**Additional Information:** The text for CLP Hazard Statements shown above (if any) is given in Section 16.

## SECTION 4: First-aid Measures

### 4.1 Description of First Aid Measures

**GENERAL NOTES:** When symptoms persist or in all cases of doubt seek medical advice.

**AFTER INHALATION:** Move to fresh air. Consult a physician after significant exposure.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**AFTER EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

#### Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. 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.

### 4.2 Most important symptoms and effects, both acute and delayed

No Information

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if

available, can be found in section 11.

## SECTION 5: Firefighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

### 5.2 Special hazards arising from the substance or mixture

No Information

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. High volume water jet. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Contains epoxy constituents. See information supplied by the manufacturer.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.1.1 For non-emergency personnel

Ensure adequate ventilation. Use personal protective equipment.

#### 6.1.2 For emergency responders

No Information

### 6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. May cause long-term adverse effects in the aquatic environment.

### 6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

**CONDITIONS TO AVOID:** No Information

**STORAGE CONDITIONS:** Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

### 7.3 Specific end use(s)

No specific advice for end use available.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Ingredients with Occupational Exposure Limits (EU)

<u>Name</u>	<u>CAS-No.</u>	<u>LTEL ppm</u>	<u>STEL ppm</u>	<u>STEL mg/m3</u>	<u>LTEL mg/m3</u>
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	25068-38-6				
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2				
magnesium carbonate	546-93-0				
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1				

<u>Name</u>	<u>CAS-No.</u>	<u>OEL Note</u>
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	25068-38-6	
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	
magnesium carbonate	546-93-0	
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

#### Chemical Name:

EC No.:

CAS-No.:

#### DNELs - Derived no effect level

Route of Exposure	<b>Workers</b>				<b>Consumers</b>			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							
Inhalation								
Dermal								

#### PNEC's - Predicted no effect concentration

	PNEC
Environmental protection target	
Fresh water	
Fresh water sediments	
Marine water	
Marine sediments	
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	
Air	

### 8.2 Exposure controls

#### Personal Protection

**RESPIRATORY PROTECTION:** Respirator with a vapor filter.

**EYE PROTECTION:** Safety glasses.

**HAND PROTECTION:** Impervious gloves. Long sleeved clothing. Remove and wash contaminated clothing before re-use.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Colour:	Viscous Blue Liquid
Physical State	Liquid
Odor	Mild
Odor threshold	Not determined
pH	Not determined
Melting point / freezing point (°C)	Not determined
Boiling point or initial boiling point and boiling range (°C)	N.D. - N.D.
Flash Point, (°C)	93
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Lower and upper explosive limit	1 - 10.6
Vapour Pressure	Not determined
Relative vapour density	Not determined
Density and/or relative density	Not determined
Solubility in / Miscibility with water	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	Not determined
Decomposition temperature (°C)	Not determined
Kinematic viscosity	Unknown
Particle characteristics	Not applicable to liquids

### 9.2 Other information

VOC Content g/l:	7
Specific Gravity (g/cm <sup>3</sup> )	1.330

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

No decomposition if stored and applied as directed. Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

No Information

**10.5 Incompatible materials**

Strong oxidizing agents. Acids and bases. Amines.

**10.6 Hazardous decomposition products**Thermal decomposition can lead to release of irritating gases and vapours. Alcohols. Exothermic reaction. Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute Toxicity:**

Oral LD50: No information available.

Inhalation LC50: No information available.

Dermal LD50: No Information

Irritation: No information available.

Corrosivity: No information available.

Sensitization: No information available.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.  
Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>	<u>Gas LC50</u>	<u>Dust/Mist LC50</u>
25068-38-6	Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	>2000 mg/kg, rat, oral	>2000 mg/kg, rat		0.000	0.000
68609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	17100 mg/kg, oral, rat			0.000	0.000

**Additional Information:**

No Information

**11.2 Information on other hazards**



**Endocrine disrupting properties - Toxicity**

Name According to EEC

CAS-No.

No Information

**SECTION 12: Ecological Information****12.1 Toxicity:**

EC50 48hr (Daphnia): No information

IC50 72hr (Algae): No information

LC50 96hr (fish): No information

**12.2 Persistence and degradability:** No information**12.3 Bioaccumulative potential:** No information**12.4 Mobility in soil:** No information**12.5 Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.**12.6 Endocrine disrupting properties****Endocrine disrupting properties - Ecotoxicity**

Name According to EEC

CAS-No.

No Information

**12.7 Other adverse effects:** No information

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
25068-38-6	Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	No information	No information	
68609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	No information	No information	
546-93-0	magnesium carbonate	No information	No information	
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	No information	No information	

**SECTION 13: Disposal Considerations****13.1 WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

European Waste Code: 080111

Packaging Waste Code: 150110

**SECTION 14: Transport Information**

	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN-number or ID number</b>	UN 3082	UN 3082	UN 3082	UN 3082
<b>14.2 UN proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.
<b>14.3 Transport Hazard Class(es)</b>	9	9	9	9
<b>14.4 Packing Group</b>	III	III	III	III
<b>14.5 Enviromental Hazards</b>	No Information	No Information	No Information	No Information

- 14.6 Special precautions for user** Unknown  
**EmS-No.:** F-A, S-B
- 14.7 Maritime transport in bulk according to IMO intruments** Unknown

**SECTION 15: Regulatory Information****15.1 Safety, health and environmental regulations/legislation for the substance or mixture:****National Regulations:**

- Denmark Product Registration Number:** Not available
- Danish MAL Code:** Not available
- Danish MAL Code - Mixture:** Not available
- Sweden Product Registration Number:** Not available
- Norway Product Registration Number:** Not available
- Germany WGK Class:** Not available

Covered by Directive 2012/18/EC (Seveso III): Not applicable

Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006: Not applicable

**Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:**

CAS-No.      Name According to EEC

Not Applicable

**SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):**

CAS-No.      Name According to EEC

Not Applicable

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: Other Information**

**Text for CLP Hazard Statements shown in Section 3 describing each ingredient:**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

**Reasons for revision**

Composition Information Changed  
 Substance and/or Product Properties Changed in Section(s):  
 01 - Identification  
 02 - Hazard Identification  
 03 - Composition/Information On Ingredients  
 08 - Exposure Controls/Personal Protection  
 09 - Physical and Chemical Properties  
 11 - Toxicological Information  
 14 - Transportation Information  
 15 - Regulatory Information  
 Substance Hazard Threshold % Changed  
 Revision Statement(s) Changed

**List of References:**

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

**Acronym & Abbreviation Key:**

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m <sup>3</sup>	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail

UN United Nations  
IMDG International Maritime Dangerous Goods Code  
IATA International Air Transport Association  
MARPOL International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978  
IBC International Bulk Container  
RTI Respiratory Tract Irritation  
NE Narcotic Effects  
IMO International Maritime Organization  
Note P: The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene  
Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ .

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.