

Date of issue: Revision date: 19/01/2019 Supersedes: 2.0 Version: 2.10

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

1.1. Product identifier

Product form : Liquid mixture
Product name. : HARCOAT CIC-1000
Type of product : Ceramic Insulation Coating

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

1.2.1. Relevant identified uses

Main use category : Industrial use / Professional use
Industrial/Professional use spec : wide dispersive use
Use of the substance/mixture : Coating

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Harco Group
Avenue Louise, 390
Brussels, B-1050 Belgium
T +32 2673 27 44 - F +32 2672 6450
marketing@harcogroup.be

Informations : +1 702 751 0460 & Harco Group working days +32 2673 27 44 9 AM to 5PM

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
United States	Neptune Coatings Emergency number (English Speaking)	las Vegas NV	+1 702 605 3881
United Kingdom	Neptune Coatings Emergency number (English Speaking)	London	+44 203239 7225
United Kingdom	NPIS Edinburgh (Scottish Poisons Information Bureau) Royal Infirmary of Edinburgh	51 Little France Crescent EH16 4SA Edinburgh	0844 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241
Belgique	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245
France	Centre Antipoison Hôpital Edouard Herriot	5 Place d'Arsonval F-69437 Lyon Cedex 03	+33 4 72 11 69 11
Nederland	Nationaal Vergiftigingen Informatie Centrum	Huispostnummer B.00.118 PO Box 85500 3508 GA Utrecht	+31 30 274 88 88

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixture/Substance: SDS EU 2015: According to Annex II of Regulation (EC) No. 453/2010 (REACH Annex II)

No hazard class

Full text of classification categories and H statement: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP) :

Signal word (CLP) : None

Hazardous ingredients :

Hazard statements (CLP) : None

Precautionary statements (CLP) : none

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

No information available

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove the victim into fresh air. Consult a doctor/medical service if you feel unwell.
- First-aid measures after skin contact : Wash immediately with lots of water.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Keep eye wide open while rinsing. Take victim to an ophthalmologist if symptoms persist
- First-aid measures after ingestion : Rinse mouth with water. Do not induce vomiting.

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

- Symptoms/injuries after inhalation : None known
- Symptoms/injuries after skin contact : None known
- Symptoms/injuries after eye contact : None known
- Symptoms/injuries after ingestion : None known

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : CO2, powder or water spray.
Fight larger fires with water spray or alcohol resistant foam

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No further relevant information available
- Explosion hazard : No further relevant information available

5.3. Advice for firefighters

- Firefighting instructions : No specific fire-fighting instructions required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Ventilate enclosed areas. Ventilate closed spaces before entering.
Protective equipment and emergency procedures Not required

6.1.1. For non-emergency personnel

- Protective equipment : Protective equipment and emergency procedures Not required

6.1.2. For emergency responders

- Protective equipment : Protective equipment and emergency procedures Not required

6.2. Environmental precautions

Prevent spreading in sewers, surface or ground water.

6.3. Methods and material for containment and cleaning up

- For containment : Dam up the liquid spill. Do not touch or walk through spilled material. **Small Spills:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. **Large Spills:** Dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas. Surfaces may become slippery after spillage.
- Methods for cleaning up : Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : None under normal use.
- Precautions for safe handling : As with all chemicals, good industrial hygiene practices should be followed when handling this material.
No special measures necessary provided product is used correctly
- Hygiene measures : Do no eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : keep in a ventilated place. Keep the container tightly closed
- Incompatible products : No information available
- Storage temperature : No information available
- Packaging materials : stainless steel. glass. plastics.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

- Personal protective equipment : Gloves. Safety glasses.
- Hand protection : Chemical resistant gloves (EN 374)
Check protective gloves prior to each use for their proper condition.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Fluorocarbon rubber (Viton), nitrile rubber, NBR
Non suitable gloves are made of the following material: natural rubber, NR
- Eye protection : Safety glasses
- Respiratory protection : Under normal conditions, respirator is not normally required. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn.



8.2. Exposure controls

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Fluid
Colour	: According to product specification
Odour	: characteristic
Odour threshold	: No data available
pH	: No data available
pH solution	: Acidic solution
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 212°F / 100°C
Flash point	: Non combustible
Self ignition temperature	: product is not self igniting
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 23 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.65 g/cm ³
Solubility	: Not miscible or difficult to mix
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1000 mPas
Explosive properties	: Product does not present an explosion hazard
Oxidising properties	: No data available
Explosion limits	: No data available
Solvent content Water	: 35.9%

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known

10.4. Conditions to avoid

Avoid extreme heat

10.5. Incompatible materials

No further relevant information available

10.6. Hazardous decomposition products

No dangerous decomposition products known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity, oral	: Not classified
Skin corrosion/irritation	: No irritation effect known
Serious eye damage/irritation	: No irritation effect known
Respiratory or skin sensitisation	: No irritation effect known
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not listed as carcinogenic according to IARC, NTP or OSHA or CSP
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: No irritation effect known
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No further relevant information available
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12.2. Persistence and degradability

No further relevant information available

12.3. Bioaccumulative potential

No further relevant information available

12.4. Mobility in soil

No further relevant information available

12.5. Results of PBT and vPvB assessment

No further relevant information available

12.6. Other adverse effects

No further relevant information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- | | | |
|---------------------------------|---|--|
| Regional legislation (waste) | : | Disposal must be done according to official regulations. |
| Sewage disposal recommendations | : | Avoid any discharge of the product into waste water. Do not discharge into drains, surface waters or ground waters. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. |

SECTION 14: Transport information

In accordance with ADR / RID / ADN / IMDG / ICAO / IATA
DOT Proper Shipping Name This product is not regulated by DOT, IMO or IATA.

14.1. UN number

Not regulated for transport

- | | | |
|--------------------------------------|---|--------------------------|
| UN-No. (ADR) | : | No information available |
| UN-No. (IMDG) | : | Not applicable |
| UN-No.(IATA) | : | Not applicable |
| UN-No.(ADN) | : | Not applicable |
| UN-No. (RID) | : | Not applicable |
| Proper Shipping Name (ADR) | : | Not applicable |
| Proper Shipping Name (IMDG) | : | Not applicable |
| Proper Shipping Name (IATA) | : | Not applicable |
| Proper Shipping Name (ADN) | : | Not applicable |
| Proper Shipping Name (RID) | : | Not applicable |
| Transport document description (ADR) | : | Not applicable |

14.3. Transport hazard class(es)

ADR

- | | | |
|----------------------------------|---|--------------------------|
| Transport hazard class(es) (ADR) | : | No information available |
| Danger labels (ADR) | : | No information available |

IMDG

- | | | |
|-----------------------------------|---|----------------|
| Transport hazard class(es) (IMDG) | : | Not applicable |
|-----------------------------------|---|----------------|

IATA

- | | | |
|-----------------------------------|---|----------------|
| Transport hazard class(es) (IATA) | : | Not applicable |
|-----------------------------------|---|----------------|

ADN

- | | | |
|----------------------------------|---|----------------|
| Transport hazard class(es) (ADN) | : | Not applicable |
|----------------------------------|---|----------------|

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : No information available
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : No information available
Special provision (ADR) : No information available
Limited quantities (ADR) : No information available
Excepted quantities (ADR) : No information available
Packing instructions (ADR) : No information available
Special packing provisions (ADR) : No information available
Mixed packing provisions (ADR) : No information available
Portable tank and bulk container instructions (ADR) : No information available
Portable tank and bulk container special provisions (ADR) : No information available
Tank code (ADR) : No information available
Vehicle for tank carriage : No information available
Transport category (ADR) : No information available
Special provisions for carriage - Packages (ADR) : No information available
Special provisions for carriage - Loading and unloading (ADR) : No information available
Hazard identification number (Kemler No.) : No information available
Orange plates : No information available
Tunnel restriction code (ADR) : No information available
EAC code : No information available

- Transport by sea

MFAG-No : No information available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN) : No information available

Not subject to ADN : No

- Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances

15.1.2. US Federal regulations

Registration status: TSCA, US released / listed

OSHA Hazard category: Not hazardous

SARA Hazard Categories (EPCRA 311/312) : Not Hazardous

15.1.3. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indication of changes:

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

SDS (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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