SAFETY DATA SHEET

Date of issue: 27/12/2017 Date of revision: 27/12/2017 Version no.: 1

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

1.1 Product identifier
Product name: Cor-Hybrid

1.2 Relevant identified uses of the substance or mixture and uses advised against
Common uses: Single component., Corrosion protection Hybrid Top coat.

1.3 Details of the supplier of the safety data sheet
GREEN-ICPS Ltd
Derech Nahal Galim 4
Tirat Hacarmel
ISRAEL
Tel. +972-4-6777995

E-mail address of person responsible for this SDS: info@green-icp.com

1.4 Emergency telephone number
Emergency telephone number (with hours of operation): +972-4-8541900 -Israel National Poisons Emergency.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to GHS:
Not required

See section 16 for the full text of the H-statements declared above.

2.2 Label elements
Labelling according to GHS:

Hazard pictogram(s): Not required

Signal word: Not required

Hazard statement(s): Not required

Precautionary Statement(s): Not required

2.3 Other hazard
Not available

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance name	Identifiers	%	GHS Classification
Silane-terminated polyether + Polysiloxane with functional groups*	CAS number: - EC number: -	20-60	Not classified
3-(2-Aminoethylamino)propyl trimethoxysilane	CAS number: 1760-24-3 EC number: 217-164-6	>1	Eye Dam. 1 H318 Skin Sens. 1B; H317
Silicon dioxide	CAS number: 14808-60-7 EC number: 238-878-4	1-9	STOT RE 2 H373 STOT SE 3 H335 Eye Irrit. 2 H319
Aluminium hydroxide	CAS number: 21645-51-2 EC number: 244-492-7	10-30	Not classified

See section 16 for the full text of the H-statements declared above.

*The component hydrolyses under formation of methanol (cas 67-56-1). Methanol is classified concering both physical and healty hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eyes contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Get medical attention.

Inhalation: Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

Ingestion: **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

4.3 Indication of any immediate medical attention and special treatment needed

Not available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media
Suitable: Water mist, extinguishing powder, alcohol- resistant foam, carbon dioxide, sand.
Not suitable: Water jet.

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products: oxides of nitrogen, oxides of silicon, incompletely burnt hydrocarbons and very toxic fumes.

5.3 Advice for firefighters
Special protective equipment for fire fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area of spill. Keep away from sources of ignition.

6.2 Environmental precautions
Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

6.4 Reference to other sections
See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or gas. Provide adequate ventilation. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Do not handle until all safety precautions have been read and understood.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

7.2 Conditions for safe storage, including any incompatibilities
Storage: Keep only in the original container or well labeled. Store in a cool, well ventilated place. Keep container closed when not use. Storage temperature 5-40 °C.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Substance name	Occupational exposure limits
Silicon dioxide	ACGIH-TLV 0.025 mg/m^3 (TWA) (resp)
Aluminium hydroxide	ACGIH-TLV 1 mg(Al)/m^3 (TWA), (resp)

8.2 Exposure controls

Engineering measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Person Protective measures

Respiratory protection: Suitable respirator. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate. It is recommended to use respirator with a full face mask with gas filter type ABEK.

Hand protection: Wear protective gloves to prevent skin exposure. It is recommended to use gloves of type: butyl rubber (breakthrough time >480 min), nitrile rubber (breakthrough time 10-30 min).

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Environmental exposure controls: Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: colored liquid
Odour: slightly alcoholic
Odour threshold: N/A
pH: N/A
Melting point/Freezing point: N/A
Initial boiling point/boiling range: N/A
Flash point: >105 °C
Evaporation rate: N/A
Flammability: N/A
Upper/lower flammability or explosive limits: N/A
Vapor pressure: N/A
Vapor density: N/A
Relative Density: 1.4 g/cm^3
Solubility(ies): insoluble in water
Partition coefficient Octanol/Water: N/A
Auto-ignition temperature: N/A
Decomposition temperature: N/A
Viscosity: 800-2000 cts
Explosive properties: N/A
Oxidizing properties: N/A

9.2 Other information

N/A

SECTION 10: Stability and reactivity

10.1 Reactivity
Not available

10.2 Chemical stability
The product is stable under normal handling and storage conditions described in Section 7.

10.3 Possibility of hazardous reactions
Hazardous reactions are not expected, under normal conditions of storage and use.

10.4 Conditions to avoid
Moisture, heat, open flames, source of ignition.

10.5 Incompatible materials
Water, basic substances and acids, hydrofluorhidric acid.

10.6 Hazardous decomposition products
Other decomposition products:
Silane-terminated polyether + Polysiloxane with functional groups: by hydrolysis: methanol.
Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150°C through oxidation. Measurements have shown the formation of small amounts of benzene at temperatures above about 180°C.

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Product/substance name	Test	Species	Dose
3-(2-Aminoethylamino)propyl trimethoxysilane	LD50, Oral	Rat	7.46 ml/kg
Silane-terminated polyether + Polysiloxane with functional groups	LD50, Oral	Rat	>2000 mg/kg

Skin corrosion/irritation: Not available

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

SECTION 12: Ecological information

12.1 Toxicity
Not available

12.2 Persistence and Degradability
Not available

12.3 Bioaccumulative potential
Not available

12.4 Mobility in soil
Not available

12.5 Results of PBT and vPvB assessment
Not available

12.6 Other adverse effects
Not available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Packing

Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

14.1 Un number

ADR/RID: - IMDG: - IATA: -

14.2 Proper shipping name

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packing group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazard
Marine Pollutant: N/A

14.6 Special precautions for user
Not available

14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code
Not available

SECTION 15: Regulatory information

This SDS complies with the following requirements of:
Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Not available

SECTION 16: Other information

Full text of Hazards Statements referred to in sections 2 and 3:
Eye dam.- Serious eye damage
Skin Sens. - Skin sensitization
STOT SE - Specific target organ toxicity — single exposure
STOT RE - Specific target organ toxicity — repeated exposure
Eye Irrit. - Eye irritation
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure.

Training advice: Before using/handling the product one must read carefully present SDS.

Key Legend Information:
CAS - Chemical Abstract Service
ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NTP - National Toxicology program
IARC - International Agency for Research on Cancer
N/A - Not available
H - statements- Hazard statements
TLV - Threshold Limit Value
TWA - Time-weighted average
STEL - Short-Term Exposure Limit

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