A.R.C. ACRYLIC RESIN CONCENTRATE

VTK1008C, VTK1007C, VTK1005C

SAFETY DATA SHEET

1. IDENTIFICATION

Product name: A.R.C. ACRYLIC RESIN CONCENTRATE
Recommended use: Bonding agent, admixture
The “recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller’s published specification.
The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller’s sales agreement.

Manufacturer: Hog Slat
P.O. Box 300
206 Fayetteville St.
Newton Grove, NC 28366
Emergency Contact# CHEM TEL North America 1-800-255-3924 International 1-813-248-0585
Chemical Family: Polymer, dispersion

2. HAZARDOUS IDENTIFICATION

According to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
Hazard Classification
No need for classification according to GHS criteria for this product.
Label elements
This product does not require a hazard warning label in accordance with GHS criteria.
Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered. If the product adheres to skin, irritation may occur when it dries.

3. COMPOSITION / INGREDIENT INFORMATION

According to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
This product does not contain any components classified as hazardous under the referenced regulation.

4. FIRST AID MEASURES

Description of first aid measures
General advice: Remove contaminated clothing.
If inhaled: Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.
If on skin: Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
If in eyes: Flush with copious amounts of water for at least 15 minutes. If irritation develops, seek medical attention.
If swallowed: Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Most important symptoms and effects, both acute and delayed Symptoms: No significant symptoms are expected due to the non-classification of the product.
Hazards: No hazards anticipated. Indication of any immediate medical attention and special treatment needed Note to physician
Treatment: Symptomatic treatment (decontamination, vital functions).

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5. FIRE FIGHTING MEASURES

Extinguishing media
Suitable extinguishing media:
Water spray, foam, dry powder
Special hazards arising from the substance or mixture Hazards during fire-fighting:
No particular hazards known. Advice for fire-fighters
Protective equipment for fire-fighting:
Firefighters should be equipped with self-contaminated extinguishing water in accordance with official regulations.
Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.
Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

6. ACCIDENTAL RELEASE MEASURES

Further accidental release measures:
High risk of slipping due to leakage/spillage of product.
Personal precautions, protective equipment and emergency procedures Use personal protective clothing. Avoid contact with skin and eyes.
Environmental precautions Do not release untreated into natural waters.
Methods and material for containment and cleaning up
For small amounts: Pick up with suitable absorbent materials (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.
For large amounts: Pump off product. Spills should be contained, solidified, and placed in suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice. No special measures necessary provided product is used correctly.
Ensure adequate ventilation. Conditions for safe storage, including any incompatibilities:
Further information on storage conditions: Store protected against freezing.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

No occupational exposure limits known.
Advice on system design: Ensure adequate ventilation.
Personal protective equipment Respiratory protections: Wear respiratory protection if ventilation is inadequate. Hand protection:
Chemical resistant protective gloves
Eye protection: Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.
General safety and hygiene measures:
Hands and/or face should be washed before breaks and at the end of the sift. Avoid contact with skin and eyes.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid, dispersion
Odor: faint odor
Odor threshold: No data available
Color: White
pH value: approx. 10.0 – 10.7
Information on: Water
Melting point: 0 °C
Boiling point: 100 °C
Flash point: >148 °C (Unspecified)
Flammability: not flammable
Lower explosion limit: not applicable
Upper explosion limit: not applicable
Information on: Water Vapor pressure: 23.4 hPa (20 °C) Literature data.
Density: approx. 0.94 g/cm3 (20 °C)
Relative density: No data available
Vapor density: not determined
Partitioning coefficient Noctanol/water (low Pow): not applicable
Self-ignition temperature: Thermal decomposition: no decomposition if sued correctly.
Viscosity, dynamic: approx. 1,000 – 1,500 mPa (23 °C)
Solubility in water: (15 °C) Partly soluble
Miscibility with water: miscible
Evaporation rate: no data available
Other information: Range of particle size: 0.1um to 10 um

10. STABILITY AND REACTIVITY

Reactivity: No data available. No hazardous reactions if stored and handled as prescribed/indicated.
Corrosion to metals: Corrosive effects to metal are not anticipated
Oxidizing properties: Not fire-propagating Chemical stability The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions
No hazardous reactions when stored and handled according to instructions. After long storage, slight quantities of carbon monoxide may be formed. The product is chemically stable.
Oxidizing properties: Not fire-propagating
Chemical stability The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions No hazardous reactions when stored and handled according to instructions.
After long storage, slight quantities of carbon monoxide may be formed. The product is chemically stable.
Conditions to avoid: Avoid extreme heat
Incompatible materials Metal salts
Hazardous decomposition products
Decomposition products: Hazardous decomposition products: carbon dioxide, carbon monoxide, hydrocarbons
Thermal decomposition: No decomposition if used correctly.

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11. TOXICOLOGICAL INFORMATION

Primary Routes of Exposure
Routes of entry for solids and liquids are ingestion and inhalation but may include eye and skin contact. Rouites of entry for gases include eye and skin contact.
Acute Toxicity / Effects
Value: > 5,000 mg/kg Assessment other acute effects
Assessment of STOT single: Based on the available information there is no specific target organ toxicity to be expected after a single exposure. Irritation / corrosion
Assessment of irritating effects: Not irritating to eyes and skin. May cause mechanical irritation. If the product adheres to skin, irritation may occur when it dries. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Skin Species: rabbit Result: non-irritant
Method: OECD Guideline 404 Eye Species: rabbit
Result: non-irritant
Method: OECD Guideline 405
Sensitization Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Aspiration Hazard Not applicable
Chronic Toxicity/Effects Repeated dose toxicity
Assessment of repeated dose toxicity: No adverse effects were observed after repeated exposure in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Genetic toxicity Assessment of mutagenicity: The substance was not mutagenic in bacteria. The product has not been tested.
The statement has been derived from substances/products of a similar structure or composition. Carcinogenicity Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.
Reproductive toxicity Assessment of reproduction toxicity: Not expected to cause reproductive toxicity (based on composition).
Teratogenicity Assessment of teratogenicity: The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation. Experiences in humans
According to experience, the product is considered to be harmless to health if used in the correct manner.
Other information Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement was derived from products of similar composition.

12. ECOLOGICAL/ CONSERVATION INFORMATION

Toxicity
Toxicity to fish LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, static)
Aquatic invertebrates EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)
Aquatic plants EC50 (72 h) > 100 mg/l, Scenedesmus subspicatus (OECD Guideline 201)
Microorganisms/Effect on activated sludge
Toxicity to microorganisms DIN EN ISO 8192-OECD 209-88/302/EEC,P. C activated sludge, domestic/EC20 (0.5 h): > 100 mg/l The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Persistence and degradability Assessment biodegradation and elimination (H2O) The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.
Elimination information >70% DOC reduction (OECD 302B; ISO 9888; 88/302/EEC, part C) Easily eliminated from water.
Bioaccumulative potential
Bioaccumulation potential Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.
Mobility in soil Assessment transport between environmental compartments No data available. Additional information
Absorbable organically-bound halogen (AOX): No data available.
Other ecotoxicological advice: Do not release untreated into natural waters.
At the present state of knowledge, no negative ecological effects are expected. Ecological data are determined by analogy.

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13. DISPOSAL CONSIDERATIONS

Waste disposal of substance: Must be sent to a suitable incineration plant, observing local regulations. Incinerate or dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater. Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. REGULATORY INFORMATION

Land transport
TDG Not classified as a dangerous good under transport regulations
Sea transport
IMDG Not classified as a dangerous good under transport regulations
Air transport
IATA/ICAO Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

Federal regulations Registration status: Chemical DSL, CA released / listed
TSCA STATUS: Not listed
§302 COMPONENTS: Not listed
§304 COMPONENTS: Not listed
§313: COMPONENTS: Not listed
§311/312: None
CALIFORNIA PROP. 65: Not listed

16. OTHER INFORMATION

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DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of this SDS. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, as to its correctness or completeness, or as of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers or as to the results or reliance of this product. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.