HULK ACRYLIC WATERPROOFING
SAFETY DATA SHEET

HULK SYSTEMS

1. DENTIFICATION

1.1 Material Name: HULK ACRYLIC WATERPROOFING®

1.2 Material: Water-based polymer membrane

1.3 Recommended use and restrictions on use

RECOMENDED USE	NON-RECOMENDED USE(S)
Coatings	None known

1.4 Manufacturer/Importer/Supplier/Distributor Information

Hulk Systems Inc.
4209 Brandon Street SE
Calgary, Alberta T2G 4A7
www.hulksystems.com

2. HAZARD(S) IDENTIFICATION

2.1 Hazard Classification

Health Hazards Skin Corrosion / Irritation: Category 3. Causes Mild Skin Irritation. Serious Eye Damage / Eye Irritation: Category 2B. Causes Eye Irritation.

2.1.2 Environmental Hazards

Harmful to aquatic life.

2.1.3 Other Hazards

Caution: Spillages may be slippery.

2.1.4 Hazards Summary

Irritating to eyes and skin. May cause irritation to the respiratory system. Harmful to aquatic life.

2.2 Label Elements

SIGNAL WORD	HAZARD STATEMENT
Warning	H316: Causes mild skin irritation.
	H320: Causes eye irritation.
	H402: Harmful to aquatic life.

PRECAUTIONARY STATEMENTS
P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

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3.2 Mixtures

Hulk Acrylic Waterproofing®

HAZARDOUS INGREDIENTS	C.A.S.#	WEIGHT %
Titanium Dioxide C.I. Pigment Black 7	13463-67-7	5 - 10
	1333-86-4	5 - 10

4. FIRST-AID MEASURES

4.1 Description of first aid measures

EYE CONTACT:	Rinse cautiously with eyewash solution or clean water, holding the eyelids apart for several minutes. Remove contact lenses if present and easy to do. If eye irritation persists: Get medical attention. Continue rinsing eyes during transport to hospital.
SKIN CONTACT:	If on skin or hair, take off immediately all contaminated clothing and shoes. Rinse skin, washing thoroughly with water. Get medical attention if irritation persists.
INHALATION:	Remove patient from exposure, keep warm and at rest. Get medical attention.
INGESTION:	Clean mouth with water and drink afterwards a glass of water. Keep respiratory tract clear. Do not induce vomiting. Immediately call a POISON CENTER / Doctor.

4.2 Indication of any immediate medical attention or special treatment needed

Note to Physicians: Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

General Fire Hazards:	No unusual fire or explosion hazards noted.
Suitable extinguishing media:	Dry chemical, CO2, water spray or regular foam. Compatible with all standard firefighting techniques.
Unsuitable extinguishing media:	None known.

5.2 Hazards

Not applicable. Aqueous solution. Non-combustible.

5.3 Fire-fighting procedures

None.

5.4 Special protective equipment

Self-contained breathing apparatus and protective clothing should be worn in the case of fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

Use personal protective equipment. Wear chemical safety glasses, rubber boots, and heavy rubber gloves. Prevent further leakage or spillage if safe to do so.

6.2 Accidental Release Measures

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

6.3 Methods and Materials for Containment and Cleaning Up

Provide adequate ventilation.

Caution: Spillages may be slippery. Ventilate the area. Soak up with inert absorbent material (e.g., sand, silica gel, universal binder, sawdust). Keep in suitable, closed containers for disposal.

6.4 Environmental Precautions

Do not allow to enter drains, waterways, sewers, basements, or confined areas. Do not discharge into the subsoil/soil. Absorb spills with inert material and place in a chemical waste container. If the product contaminates rivers and lakes or drains, inform the respective authorities.

7. HANDLING AND STORAGE

7.1 Handling

Technical measures:	Use only in well-ventilated area. Avoid breathing vapor or mist. Avoid all personal contact.
Safe handling advice:	Use personal protective equipment. Avoid generation of mist. Emergency shower and eyewash facilities should be readily available.
Contact avoidance measures:	No data available.

7.2 Hygiene Measures

- Wash hands before breaks and after work.
- Remove soiled or soaked clothing immediately.
- Wash contaminated clothes before reuse.
- Do not eat, drink, or smoke when handling this product.
- Remove contaminated clothing and protective equipment before entering eating areas.

7.3 Storage

Safe storage conditions:	Keep at a temperature not exceeding 50°C. Do not allow material to freeze. Keep container tightly closed. Store in a cool/well-ventilated place.
Safe packaging materials:	No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Limits

Hazardous Components (Chemical Name)	Titanium Dioxide C.I. Pigment Black 7
Occupational Exposure Limits	15 mg/m3. TWA (dust total) * 3.5 mg/m3. ACGIH TLV TWA. • Both pigments are dispersed in a liquid phase. They are not present in solid state as dust or loose particles.

8.2 Exposure Controls

Appropriate Engineering Controls

Use local exhaust ventilation to maintain airborne concentrations at safe levels. Ensure adequate ventilation, especially in confined areas. Suitable respiratory equipment should be used in cases of insufficient ventilation or where demand it.

General Information

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

Personal Protective Equipment

Respiratory Equipment:	Respiratory protection not normally required. If exposure cannot be controlled below applicable limits, use the appropriate NIOSH-approved respirator such as an air-purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow the manufacturer's instructions.
Eye Protection:	Use tightly fitting chemical splash goggles. Wear face shield if splashing hazard exists. Contact lenses should not be worn when working with chemicals because they contribute to the severity of an eye injury in case of exposure.
Hand Protection:	Use impermeable gloves. Neoprene or butyl-rubber gloves.
Body Protection:	Use impervious clothing and chemical-resistant boots. Consider using resistant coveralls and aprons if extensive exposure is possible.
Other Protective Equipment:	Ensure that eyewash stations and safety showers are close to the workstation location.
General Hygiene Consideration:	Do not breathe mist or vapor. Avoid all contact. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothes home.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	
Physical State:	Thick liquid.
Color:	Black, white, black.
Odor:	Slight ammonia odor.
PROPERTIES	
Boiling Point:	Not available.
Freezing Point:	Not available.
Flash Point:	Not available.
PH:	8 – 9.
Specific Gravity:	1.35 – 1.45 g/ cm3.
Viscosity:	20.000 CPR.
VOC content:	Less than 30 g/L.
Evaporation rate:	Not applicable.
Solubility in water:	Soluble.
Vapour pressure:	Not applicable.
Vapour density:	No data.
Auto ignition Point:	Not applicable.
Decomposition Temperature:	Not applicable.
Explosive properties:	Not applicable.
Oxidising Properties:	No data.

10. STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None under normal processing.
Conditions to avoid:	Excessive heat, freezing.
Incompatible Materials:	None known.
Hazardous decomposition products:	None known.

HULK SYSTEMS

11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Ingestion:	Aspiration hazard. Do not ingest.
Inhalation:	May cause irritation of nose, throat, or respiratory tract. Avoid inhalation.
Skin Contact:	May cause skin irritation. Avoid skin contact.
Eye Contact:	Material will cause irritation. Avoid eye contact.
Skin Corrosion/Irritation:	Irritating to skin.
Serious Eye Damage/Irritation:	Irritating to eyes.
Sensitization:	Not sensitizing.
Carcinogens:	Possible cancer hazard. Contains materials which may cause cancer based on animal data. Contains TiO2 which is listed by IARC as a possible carcinogen (Group 2B) based on animal data. Neither long-term animal studies, nor human epidemiology studies of workers exposed to TiO2 provide an adequate basis to conclude TiO2 is carcinogenic. TiO2 is not classified as a carcinogen by NTP, U.S. OSHA or the U.S. EPA. IARC has also classified Carbon Black as possibly carcinogenic to humans (Group 2B). ACGIH-A4 Not classifiable as a Human Carcinogen.
Mutagenicity:	No evidence of mutagenic effects.
Teratogenicity:	No evidence of teratogen effects.
Reproductive Toxicity:	No evidence of reproductive effects.
Aspiration Hazard:	No aspiration hazard expected.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Harmful to aquatic life:	
Fish Product:	No data available.
Specified substance(s):	Carbon Black: 96 hr LC50 freshwater fish> 1000 mg/L;
	24 hr EC freshwater invertebrates> 5600 mg/L.
Aquatic invertebrates Product:	No data available.
Toxicity to aquatic plants Product:	No data available.

12.2

Persistence and degradability:	No data available.
Biodegradation product:	No data available.
BOC/COD ratio product:	No data available.

12.3 Bio-accumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Other adverse effects: No data available.

13. TRANSPORTATION INFORMATION

Waste Disposal Method:	Dispose of this material and its container to hazardous or special waste collection point. Do not discharge substance/product into sewage system. Do not contaminate pond, waterways, or ditches with chemical or used container. The product should not be allowed to enter drains, water courses, or the soil.
Contaminated Packaging:	No data available.

14. TRANSPORTATION INFORMATION

14.1 TDG: Not regulated.

14.2 CFR / DOT: Not regulated.

14.3 IMDG: Not regulated.

15. OTHER INFORMATION INCLUDING DATE OF PREPARATION OR LAST REVISION

Preparation Date:	May 5th, 2022
Version #:	1.2
SDS prepared by:	Hulk Systems Inc.
Further Information:	No data available.
Disclaimer:	Hulk Systems Inc. guarantees the quality of Hulk WP® when used according to guidelines. The company's liability is limited to a refund or replacement of the product in case of defects. Labor costs and consequential damages are excluded from coverage. Always adhere to all preparation and application instructions for optimal results.