



# Safety Data Sheet

## BLACK CORINTHO™

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: BLACK CORINTHO™  
 CAS number: Mixture  
 Product type and use: Rigid polyurethane foam for tooling applications  
 Company: DUNA-USA Inc.  
 4210 FM 1405 Baytown, TX, USA  
 1-281-383-3862 [info-dunausa@dunagroup.com](mailto:info-dunausa@dunagroup.com)

In case of emergency call: **CHEMTREC 1-800-424-9300 (24 HOURS DAY, 7 DAYS A WEEK)**

### 2. HAZARDS IDENTIFICATION

Physical state: Solid.  
 Appearance: Rigid foam.  
 OSHA/HCS status: This product is considered as NOT hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).  
 Emergency overview: Low hazard for usual industrial or commercial handling.  
 Potential health effects: Eyes Dust may irritate the eyes.  
     Skin: Non irritating. May cause irritation only through mechanical abrasion.  
     Inhalation: Dust may irritate the respiratory system.  
     Ingestion: May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.  
 Target organs: Inhalation  
                   Skin  
                   Eye  
 Chronic effects: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.  
 Signs and symptoms: May cause eye irritation. Itching, redness, burning of skin.  
 Potential environmental effects: The product is not classified as environmentally hazardous.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<i>Name</i>	<i>CAS number</i>	<i>%</i>
Rigid polyurethane/polyisocyanurate foam based on polyether/polyester polyols and aromatic isocyanate	PROPRIETARY	100



# Safety Data Sheet

## BLACK CORINTHO™

### 4. FIRST AID MEASURES

Eye contact	Dust in the eyes: Flush thoroughly with water for at least 15 minutes. Get medical attention if any discomfort continues.
Skin contact	Contact with dust: Essentially nonirritating to skin. Wash with soap and water if mechanical injury occur.
Inhalation	If symptoms develop, move to fresh air. Get medical attention if discomfort develops or persists.
Ingestion	Do not induce vomiting. Get medical attention immediately.

### 5. FIRE-FIGHTING MEASURES

Flammable properties	Not flammable by OSHA criteria
Extinguishing media	Suitable extinguishing media: No specific measures are required as this product is a fire extinguishing medium.
Protection of firefighters	Specific hazards arising from the chemical: Not a fire hazard.
Fire fighting instructions:	Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguisher may be used for small fires.
Fire fighting equipment:	Wear positive-pressure self contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.
Specific methods:	Not applicable.
Hazardous combustion products:	Carbon monoxide. Nitrogen oxides.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product.
Environmental precautions:	Prevent for entering into soil, ditches, sewers, waterways and/or groundwater. See section 12 of the SDS
Methods for cleaning up:	For waste disposal, see Section 13 of the SDS.



# Safety Data Sheet

## BLACK CORINTHO™

### 7. HANDLING AND STORAGE

Handling:	Use work methods which minimize dust production. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices. Refer to "EXPOSURE CONTROLS AND PERSONAL PROTECTION", Section 8 of the SDS. No smoking, open flames or sources of ignition in handling and storage area. Fabrication methods such as grinding or cutting, may generate dust which could cause a dust explosion. Provide adequate local ventilation and appropriate dust handling system. The whole dust collecting system must be protected from electrostatic energy accumulation, provide adequate firefight facilities. Good housekeeping and controlling of dusts are necessary for safe handling of product.
Storage:	Store away from incompatible materials. Minimize sources of ignition, such as static build-up, heat, spark or flame. During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources. Read and follow manufacturer's recommendations.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Occupational exposure limits

##### US. ACGIH Threshold Limit Values

Components	Type	Value
Polyurethane dust	TWA	10 mg/m <sup>3</sup>

##### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Polyurethane dust	TWA	10 mg/m <sup>3</sup>

##### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Polyurethane dust	TWA	10 mg/m <sup>3</sup>

##### Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Polyurethane dust	TWA	10 mg/m <sup>3</sup>

##### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Polyurethane dust	TWA	10 mg/m <sup>3</sup>

Engineering controls:	Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure.
-----------------------	---



# Safety Data Sheet

## BLACK CORINTHO™

- Personal protective equipment: Eye / face protection. No special precautions.
- Skin protection: Gloves, for handling rough edges.
- Respiratory protection: When engineering controls are not sufficient to lower exposure levels below the applicable exposure limit, use a NIOSH approved respirator for dusts.
- Ingestion: No precautions necessary due to the physical properties of the material.
- General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing and protective equipment to remove contaminants. Observe any medical surveillance requirements.
- Engineering Controls Ventilation: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Rigid foam
- Physical state: Solid
- Odor: Odorless
- Odor threshold: Not available
- Form: Foam
- pH: Not available
- Melting point: Doesn't melt
- Explosive properties: None except the powder form
- Solubility in water: Insoluble
- Density: 800 ÷ 1000 kg/m<sup>3</sup>

### 10. STABILITY AND REACTIVITY

- Chemical stability: Thermally stable at typical use temperatures. See TDS.
- Conditions to avoid: Avoid temperatures above 300°C (572°F), can decompose. UV rays may cause discoloration.
- Incompatibility materials: Strong acids, strong alkalies and oxidizing agents.
- Hazardous polymerization: Will not occur.
- Thermal decomposition: Decomposition products depend upon temperature, air supply and the presence of other materials. Toxic gases are released during decomposition.



# Safety Data Sheet

## BLACK CORINTHO™

### 11. TOXICOLOGICAL INFORMATION

#### Toxicological data

Acute effects:	Under normal conditions of intended use, this material does not pose a risk to health.
Local effects:	Exposure to particles from cutting operations may cause mechanical irritation of eyes.
Repeated dose toxicity:	Repeated exposures to dusts of this material are not anticipated to result in systemic toxicity or permanent lung injury; however, excessive exposures may cause less severe respiratory effects.

### 12. ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not classified as environmentally hazardous. Not expected to be acutely toxic to aquatic organisms
Persistence and degradability:	The product has a low biodegradability. Surface photo degradation is expected with exposure to sunlight. No appreciable biodegradation is expected.
Mobility in environmental media:	The product is insoluble in water. No bio concentration is expected because of the relatively high molecular weight (MW greater than 1000). In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material is expected to float.

### 13. DISPOSAL CONSIDERATIONS

Disposal instructions:	Polyurethane foam, as non hazardous material, can be disposed in municipal dumps/incinerators Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.
------------------------	--

### 14. TRANSPORT INFORMATION

DOT, TDG, IMDG, IATA-ICAO: Not regulated.



# Safety Data Sheet

## BLACK CORINTHO™

### 15. REGULATORY INFORMATION

#### US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4): Not regulated.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA III)

Hazard categories

Immediate Hazard No

Delayed Hazard No

Fire Hazard No

Pressure Hazard No

Reactivity Hazard No

#### Section 302 extremely hazardous substance (40 CFR 355, Appendix A)

No

#### Section 311/312 (40 CFR 370)

No

#### Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)

Not controlled

#### WHMIS status

Non-controlled

#### Inventory status and State regulations

This product does not contain chemicals at levels which require reporting under this statute.

#### California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

#### US. Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30



# Safety Data Sheet

## BLACK CORINTHO™

### CEPA – Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

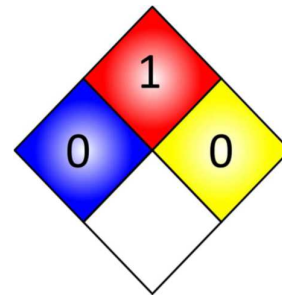
## 16. OTHER INFORMATION

Label requirements: None

Hazardous Material Information System

National Fire Protection Association

0	Health
1	Flammability
0	Reactivity
-	Protective Equipment



### Notice to reader

HMIS® is a registered trade and service mark of the NPCA

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED DUNA-USA Inc. EMPLOYEE IS AUTHORIZED TO PROVIDE OR MAKE AVAILABLE DATA SHEETS FOR DUNA-USA Inc. PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION THAT IS NO LONGER CURRENT OR ACCURATE. NO PART OF THIS DATA SHEET MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, WITHOUT PERMISSION IN WRITING FROM DUNA-USA Inc. ALL REQUESTS FOR PERMISSION TO REPRODUCE MATERIAL FROM THIS DATA SHEET SHOULD BE DIRECTED TO DUNA-USA Inc.