

# SAFETY DATA SHEET



## D.E.R.® 6510-HT Epoxy Resin

Version 5.0      Revision Date: 04-06-2021      SDS Number: 101224312      Date of last issue: 02-15-2017  
Date of first issue: 04-06-2021

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BLUE CUBE OPERATIONS LLC encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

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### SECTION 1. IDENTIFICATION

Product name : D.E.R.® 6510-HT Epoxy Resin

Product code : 000000001000000310

#### Manufacturer or supplier's details

Company name of supplier : BLUE CUBE OPERATIONS LLC

Address : 190 CARONDELET PLAZA, SUITE 1530  
CLAYTON MO 63105-3467

Telephone : (844) 238-3445

E-mail address : INFO@OLIN.COM

Emergency telephone : +1 800 424 9300

Local Emergency Contact : 1-800-424-9300

Identified uses : Used in applications such as:  
Powder coating.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Combustible dust

#### GHS label elements

Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.

Precautionary Statements : **Prevention:**  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces.  
No smoking.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P243 Take precautionary measures against static discharge.

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### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Substance name : Modified epoxy resin  
CAS-No. : Not Assigned

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Trade secret		100

### SECTION 4. FIRST AID MEASURES

If inhaled : Move person to fresh air; if effects occur, consult a physician.

In case of skin contact : Wash off with plenty of water.

In case of eye contact : Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. May cause injury due to mechanical action.

If swallowed : If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed : Aside from the information found under Description of first aid measures(above)any additional important symptoms and effects are described in Section 11: Toxicology Information.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : No specific antidote.  
Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water fog or fine spray.  
Dry chemical fire extinguishers.  
Carbon dioxide fire extinguishers.  
Foam.

Unsuitable extinguishing media : No information available.

Specific hazards during fire fighting : Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential

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- for dust explosions, do not permit dust to accumulate.  
Dense smoke is emitted when burned without sufficient oxygen.
- Hazardous combustion products : During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.  
Combustion products may include and are not limited to:  
Phenolic compounds.  
Carbon monoxide.  
Carbon dioxide.
- Further information : Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct waterstream. Use fine water spray or foam.  
Cool surroundings with water to localize fire zone.  
Hand held dry chemical or carbon dioxide extinguishers may be used for small fires.  
Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage.  
Review the 'Accidental Release Measures' and the 'Ecological Information' sections of this (M)SDS.
- Special protective equipment for fire-fighters : Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves).  
Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location.  
For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Isolate area.  
Keep unnecessary and unprotected personnel from entering the area.  
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.  
Spilled material may cause a slipping hazard.  
Refer to section 7, Handling, for additional precautionary measures.
- Environmental precautions : Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
- Methods and materials for containment and cleaning up : Do not sweep.  
Use a suitable vacuum cleaner.  
Contain spilled material if possible.  
Collect in suitable and properly labeled containers.

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See Section 13, Disposal Considerations, for additional information.

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### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Keep away from heat, sparks and flame.  
Keep container closed.  
Use with adequate ventilation.  
No smoking, open flames or sources of ignition in handling and storage area.  
Electrically bond and ground all containers and equipment.  
Good housekeeping and controlling of dusts are necessary for safe handling of product.  
See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.
- Conditions for safe storage : Store in a cool, dry place.  
Minimize sources of ignition, such as static build-up, heat, spark or flame.
- Recommended storage temperature : 41 - 77 °F / 5 - 25 °C
- Storage period : 24 Months
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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.  
Local exhaust ventilation may be necessary for some operations.

#### Personal protective equipment

- Respiratory protection : Under intended handling conditions, no respiratory protection should be needed.

Hand protection

- Remarks : Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

- Eye protection : Use safety glasses (with side shields).  
If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

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Skin and body protection : No precautions other than clean body-covering clothing should be needed.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Flakes

Color : Yellow to brown

Odor : Odorless

Odor Threshold : No test data available

pH : Not applicable to solids

Melting point/range : 122 °F / 50 °C  
Method: Literature

Freezing point : Not applicable to solids

Boiling point/boiling range : Not applicable to solids

Flash point : Method: closed cup  
Not applicable to solids

Evaporation rate : Not applicable to solids

Flammability (solid, gas) : May form combustible dust concentrations in air.

Upper explosion limit / Upper flammability limit : Not applicable to solids

Lower explosion limit / Lower flammability limit : Not applicable to solids

Vapor pressure : Not applicable to solids

Relative vapor density : Not applicable to solids

Relative density : 1.16 (77 °F / 25 °C, 1 atm)  
Method: Literature

Solubility(ies)  
Water solubility : Insoluble

Partition coefficient: n-octanol/water : log Pow: 3.48  
Method: OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

Autoignition temperature : Not applicable to solids

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Decomposition temperature	:	No test data available
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	7500 cSt (302 °F / 150 °C) Method: ASTM D 445
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Molecular weight	:	1,100 g/mol Method: Estimated. Polymer

Note: These are the Reference Points for these Physical Properties listed above, unless otherwise noted in their respective Physical Property value information: Boiling Point at 760 mmHg; Evaporation Rate Butyl Acetate = 1; Relative Vapor Density Air = 1; and Relative Density Water = 1.

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions. See Storage, Section 7.
Possibility of hazardous reactions	:	Will not occur by itself. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.
Conditions to avoid	:	Exposure to elevated temperatures can cause product to decompose.
Incompatible materials	:	Avoid contact with: Acids. Bases. Avoid unintended contact with amines.
Hazardous decomposition products	:	Decomposition products depend upon temperature, air supply and the presence of other materials. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Eye contact  
Skin contact  
Inhalation

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### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Remarks: Low toxicity if swallowed.  
Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

LD50 (Rat): > 2,000 mg/kg  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Single dose oral LD50 has not been determined.  
For similar material(s):

Acute inhalation toxicity : Remarks: Vapors are unlikely due to physical properties.  
No adverse effects are anticipated from single exposure to dust.

Remarks: As product:  
The LC50 has not been determined.

Acute dermal toxicity : Remarks: Prolonged skin contact is unlikely to result in absorption of harmful amounts.

LD50 (Rabbit): > 2,000 mg/kg  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: The dermal LD50 has not been determined.  
For similar material(s):

#### Components:

##### **Trade secret:**

Acute oral toxicity : Remarks: Single dose oral LD50 has not been determined.

Acute inhalation toxicity : Remarks: The LC50 has not been determined.

Acute dermal toxicity : Remarks: The dermal LD50 has not been determined.

### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Remarks : Essentially nonirritating to skin.

### Serious eye damage/eye irritation

Not classified based on available information.

#### Product:

Remarks : May cause slight temporary eye irritation.

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Corneal injury is unlikely.  
Solid or dust may cause irritation or corneal injury due to mechanical action.

### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### Respiratory sensitization

Not classified based on available information.

#### Product:

Remarks : For skin sensitization:  
No relevant data found.

Remarks : For respiratory sensitization:  
No relevant data found.

### Germ cell mutagenicity

Not classified based on available information.

#### Product:

Genotoxicity in vitro : Remarks: No relevant data found.

### Carcinogenicity

Not classified based on available information.

#### Product:

Remarks : Similar epoxy resin did not cause cancer in long-term animal studies.

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

Not classified based on available information.

#### Product:

Effects on fertility : Remarks: No relevant data found.

Effects on fetal development : Remarks: No relevant data found.

### STOT-single exposure

Not classified based on available information.

#### Product:



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Assessment : Evaluation of available data suggests that this material is not an STOT-SE toxicant.

### **STOT-repeated exposure**

Not classified based on available information.

### **Repeated dose toxicity**

#### **Product:**

Remarks : No relevant data found.

### **Aspiration toxicity**

Not classified based on available information.

#### **Product:**

Based on physical properties, not likely to be an aspiration hazard.

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Product:**

Toxicity to fish : Remarks: No relevant information found.

### **Components:**

#### **Trade secret:**

Toxicity to fish : Remarks: No relevant data found.

### **Persistence and degradability**

#### **Product:**

Biodegradability : Remarks: No appreciable biodegradation is expected.

### **Components:**

#### **Trade secret:**

Biodegradability : Remarks: No relevant data found.

### **Bioaccumulative potential**

#### **Components:**

#### **Trade secret:**

Bioaccumulation : Remarks: No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).

Partition coefficient: n-octanol/water : Pow: 3.48  
Method: OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

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**Mobility in soil****Product:**

Distribution among environmental compartments : Remarks: No relevant data found.

**Components:****Trade secret:**

Distribution among environmental compartments : Remarks: No relevant data found.

**Other adverse effects****Components:****Trade secret:**

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL.  
THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information.  
All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.  
Regulations may vary in different locations.  
Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.  
DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.  
FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

Not regulated as a dangerous good

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**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

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

Not applicable for product as supplied.

**Domestic regulation**

**49 CFR**

Not regulated as a dangerous good

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**SECTION 15. REGULATORY INFORMATION**

**EPCRA - Emergency Planning and Community Right-to-Know**

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards**            :    Combustible dust

**SARA 313**                                :    This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**

**Pennsylvania Right To Know**

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

**California Prop. 65**

**This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.**

**International Regulations**

Montreal Protocol (Ozone Depleting Substances)            :    Not applicable

Rotterdam Convention (Prior Informed Consent)            :    Not applicable

Stockholm Convention (Persistent Organic Pollutants)            :    Not applicable

**The ingredients of this product are reported in the following inventories:**

TCSI                                        :    not determined

TSCA                                        :    All substances listed as active on the TSCA Inventory or are not required to be listed.

AICS                                         :    not determined

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

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- ENCS : All intentional components are listed on the inventory, are exempt, or are supplier certified.
- ISHL : All intentional components are listed on the inventory, are exempt, or are supplier certified.
- KECI : The product contains an intentional component that is not on the inventory., The product contains an intentional component that is subject to a restriction. Production and/or use is limited by the conditions of the restriction., Additional information on this product may be obtained by calling your sales or customer service contact.
- PICCS : not determined
- IECSC : All intentional components are listed on the inventory, are exempt, or are supplier certified.
- NZIoC : All intentional components are listed on the inventory, are exempt, or are supplier certified.
- CH INV : All intentional components are listed on the inventory, are exempt, or are supplier certified.

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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## SECTION 16. OTHER INFORMATION

### Further information

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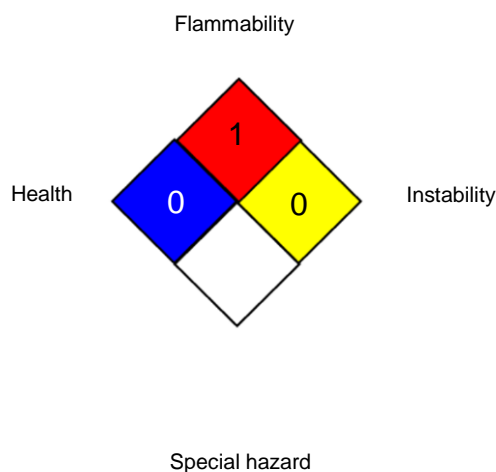


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### NFPA 704:



### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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BLUE CUBE OPERATIONS LLC urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

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