



MATERIAL SAFETY DATA SHEET

1. Product Information

Trade Name

Epoxy Resin Work Surface

Manufacturer's Name

Durcon, Inc.

Manufacturer's Address

206 Allison Drive
Taylor, TX 76574

Emergency Phone Number

512.595.8090

Information Phone Number

512.595.8000

Date of MSDS

April 27, 2009

2. Ingredients

Chemical Name	CAS Number	Weight Percent	Carcinogen (NTP, IARC, OSHA)	Exposure Limits					
				OSHA PEL TWA (mg/m3)	OSHA PEL STEL (mg/m3)	ACGIH TLV TWA (mg/m3)	ACGIH TLV STEL (mg/m3)	NIOSH TWA (mg/m3)	NIOSH TLV STEL (mg/m3)
Epoxy Resin	Proprietary	15-30	Not Listed	NA	NA	NA	NA	NA	NA
Crystalline Silica	14808-60-7	60-80	NTP, IARC	0.1 (Respirable)	None	0.1 (Respirable)	None	0.05 (Respirable)	None
Pigments and Additives (below):	Proprietary	<20	See Below	NA	None	NA	None	NA	None
Phthalic anhydride	85-44-9	-	Not Listed	12	None	1	None	6	None
Carbon Black	1333-86-4	-	OSHA, IARC	3.5	None	3.5	None	3.5	None
Titanium Dioxide	13463-67-7	-	Not Listed	15	None	10	None	None	None
Glass Beads	65997-17-3	-	NTP, IARC	5 (Respirable)	None	5 (Respirable)	None	5 (Respirable)	None

NA = Not Applicable
 NTP = National Toxicology Program
 IARC = International Agency for Research on Cancer
 OSHA = Occupational Safety and Health Administration
 mg/m³ = milligrams per cubic meter
 NIOSH = National Institute for Occupational Safety and Health

PEL = Permissible Exposure Limit
 TLV = Threshold Limit Value
 TWA = Time Weighted Average
 STEL = Short Term Exposure Limit
 CAS = Chemical Abstract Services



3. Hazard Identification

Emergency Overview

The handling and use of this product is not anticipated to result in exposures to hazardous chemicals as sold. Subsequent drilling or cutting of the product may result in the release of silica and thermal decomposition products.

Route of Exposure

Inhalation (during drilling and cutting operations only)

Health Effects

Skin

No adverse health effects to the skin are anticipated from the normal use of this product.

Eye

No adverse health effects to the eye are anticipated from the normal use of this product. Dust generated from cutting or drilling operations may cause eye irritation and/or conjunctivitis.

Inhalation

Dust and/or thermal decomposition products from cutting or drilling operations may cause irritation to the respiratory system or shortness of breath. Chronic exposure to dust from cutting or drilling may affect breathing capacity. The dust generated from cutting or drilling the product may contain crystalline silica which may cause silicosis and may be carcinogenic (lung cancer).

Ingestion

No adverse health effects to the digestive system are anticipated from the use of this product. Ingestion of dust from cutting or drilling operations may cause gastric irritation.

4. First-Aid Measures

Skin

If irritation develops, flush skin with running water for 15-minutes. If irritation persists, contact a physician.



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Eye

If irritation develops, flush eyes with running water for 15-minutes. If irritation persists, contact a physician.

Inhalation

If irritation develops, remove to fresh air until symptoms clear. Contact a physician.

Ingestion

If ingested, do not induce vomiting. Contact a physician.

Medical Conditions Aggravated by Exposure

Exposure to dust from cutting or drilling operations may aggravate existing respiratory conditions, such as asthma.

Recommendations to Physician

Treat symptomatically.

5. Fire-Fighting Measures

Flash Point

Not applicable.

Flammable Limits

LEL

Not applicable.

UEL

Not applicable.

Autoignition Temperature

Unknown.

Unusual Fire and Explosion Hazards

There are no unusual fire and explosion hazards associated with this product. The product does not readily burn, however thermal decomposition products may be hazardous should temperatures be sufficiently high to support combustion.

Special Fire-Fighting Procedures

Use SCBA and appropriate personal protective equipment when fighting fire.



6. Accidental Release Measures

Spill and Leak Response Procedures

Product is a preformed article as sold. No spill or leak procedures should be necessary. Particles generated from cutting or drilling operations should be collected in a manner to minimize dust generation. Avoid inhaling dust.

7. Handling and Storage

Work and Hygiene Practices

No special work or hygiene practices should be necessary under normal use conditions of this product as sold. Workers involved with cutting or drilling operations should wash exposed skin thoroughly after each shift, and wear adequate personal protective equipment as outlined in Section 8.

Storage and Handling Practices

No special storage or handling practices should be necessary under normal use conditions of this product as sold. Cutting and drilling operations should be conducted in a manner that minimizes the generation of airborne dust (i.e., wet-cutting/drilling), and measures should be taken to prevent worker exposures to airborne particles resulting from such operations. Construction processes should be conducted to avoid combustion of the product in order to prevent the release of potentially harmful thermal decomposition products.

Other Practices

Not applicable.

8. Exposure Control and Personal Protective Equipment

Ventilation and Engineering Controls

No special ventilation or engineering controls are necessary for the product under normal use conditions. Adequate local ventilation should be used during drilling or cutting operations.

Respiratory Protection

No respiratory protection is necessary for the product under normal use conditions. A High-Efficiency Particulate Air (HEPA) respirator should be worn during cutting or drilling operations to prevent the possibility of exposure to airborne dust.

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Eye Protection

No eye protection is necessary for the product under normal use conditions. Safety glasses or goggles meeting ANSI Z87.1 standards should be worn during drilling or cutting operations.

Skin Protection

No special skin protection is necessary for the product under normal use conditions. Work clothing should cover exposed skin during drilling or cutting operations to prevent prolonged dust exposure.

9. Physical and Chemical Properties

Specific Gravity (Water=1)

>1

Solubility in Water

Insoluble

Appearance and Color

Solid countertop

Odor

None

Vapor Pressure (mmHg)

Not applicable.

Vapor Density (Air=1)

Not applicable.

Evaporation Rate (nBuAc=1)

Not applicable.

Melting/Freezing Point (°F)

>400

Boiling Point (°F)

Not applicable.

pH (neat)

Not applicable.

10. Stability and Reactivity

Stability

Stable.

Conditions to Avoid

Extreme heat.

Incompatible Materials

None known.

Decomposition Products

Thermal decomposition products can include carbon dioxide and/or carbon monoxide.

Hazardous Polymerization

Hazardous polymerization will not occur.

11. Toxicological Information

RTECS (Registry of Toxic Effects of Chemical Substances)

CAS 14808-60-7: VV7330000

CAS 85-44-9: TI3150000

CAS 1333-86-4: FF5800000

CAS 13463-67-7: XR2275000

CAS 65997-17-3: LK3651000

LD50/LC50

CAS 14808-60-7:

No information found.

CAS 85-44-9:

Draize test, rabbit, eye: 50 mg/24H Moderate

Draize test, rabbit, skin: 500 mg/24H Mild

Inhalation, rat: LC50 = >210 mg/m³/1H

Oral, mouse: LD50 = 1,500 mg/kg

Oral, rat: LD50 = 1,530 mg/kg

Skin, rabbit: LD50 = >10 gm/kg

CAS 1333-86-4:

Oral, rat: LD50 = >15,400 mg/kg

Skin, rabbit: LD50 = >3 gm/kg

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CAS 13463-67-7:
No information found.

CAS 65997-17-3:
No information found.

Carcinogenicity

CAS 14808-60-7
ACGIH: A2 – suspected human carcinogen (respirable fraction)
NIOSH: Potential occupational carcinogen (respirable fraction)
NTP: Known carcinogen (silica, crystalline) (respirable fraction)
OSHA: Select carcinogen (respirable fraction)
IARC: Group 1 carcinogen (respirable fraction)

CAS 85-44-9
ACGIH: Not listed
NIOSH: Not listed
NTP: Not listed
OSHA: Not listed
IARC: Not listed

CAS 1333-86-4
ACGIH: Not listed
NIOSH: Potential occupational carcinogen (with polycyclic aromatic hydrocarbons)
NTP: Not listed
OSHA: Possible select carcinogen
IARC: Group 2B carcinogen

CAS 13463-67-7
ACGIH: Not listed
NIOSH: Potential occupational carcinogen
NTP: Not listed
OSHA: Not listed
IARC: Not listed

CAS 65997-17-3
ACGIH: A3 (Confirmed animal carcinogen with unknown relavenance to humans) (respirable fraction)
NIOSH: Potential occupational carcinogen (respirable fraction)
NTP: Reasonably anticipated to be a human carcinogen – respirable size (possible select carcinogen)
OSHA: Possible select carcinogen (respirable fraction)
IARC: Group 3 (Not classifiable as to carcinogenicity to humans) (IARC Monograph 81 – 2002)



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Epidemiology:

No epidemiology data is available for this product.

Teratogenicity:

No teratogenicity data is available for this product.

Reproductive:

No reproductive data is available for this product.

Mutagenicity:

Mutation data has been reported for carbon black.

Nuerotoxicity:

No nuerotoxicity data is available for this product.

12. Ecological Information

Environmental Stability

Although not tested, the product is anticipated to remain stable and unreactive within the environment.

Effect of Material on Terrestrial Ecosystems

No data available. Not anticipated to pose a hazard to terrestrial ecosystems.

Effect of Material on Aquatic Ecosystems

No data available. Not anticipated to pose a hazard to aquatic ecosystems.

13. Disposal Information

Preparing Waste Material for Disposal

Product as sold is not considered a hazardous waste under federal regulations. Waste generators must determine whether this material, when discarded, is classified as a hazardous waste under federal (40 CFR Part 261.3) or state regulations.

EPA Waste ID Number

Not applicable.



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14. Transportation Information

Proper Shipping Name

This product is not subject to the rules and regulations governing the transportation of hazardous materials.

Hazard Class

Not applicable.

UN Identification Number

Not applicable.

Packing Group

Not applicable.

DOT Label Required

Not applicable.

ERG Number

Not applicable.

Marine Pollutant

Not applicable.

15. Regulatory Information

Emergency Planning and Community Right-to-Know Act (EPCRA), Sections 311/312

This product, as sold, is not subject to notification and reporting under EPCRA 311 and EPCRA 312.

Emergency Planning and Community Right-to-Know Act (EPCRA), Section 313

None of the ingredients of this product are subject to Toxic Release Inventory (TRI) reporting under EPCRA 313.

Toxic Substances Control Act (TSCA) Inventory Status

This product or its constituents comply with the requirements of TSCA and can be found on the inventory.

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Comprehensive Emergency Response, Compensation, and Liability Act (CERCLA/Superfund) Reportable Quantity (RQ)

CAS 85-44-9: RQ – 5,000 lbs (2270 kg).

Other Federal Regulations

Clean Air Act: CAS 85-44-9 is listed as a hazardous air pollutant (HAP)

State Regulatory Information

State Right-to-Know:

- Silica is found on the following state Right-to-know lists: Massachusetts, Minnesota, New Jersey, and Pennsylvania.
- Phthalic anhydride is found on the following state Right-to-Know lists: California, New Jersey, Massachusetts, Minnesota and Pennsylvania.
- Carbon black is found on the following state Right-to-Know lists: California, Massachusetts, Minnesota, and New Jersey.
- Titanium dioxide is found on the following state Right-to-Know lists: New Jersey, Massachusetts, Minnesota, and Pennsylvania.

California Prop 65:

CAS 14808-60-7 -- known to the State of California to cause cancer.

CAS 1333-86-4 – known to the State of California to cause cancer.

European & International Regulations

European Labelling in Accordance with EC Directives:

Safety Phrases: S 24/25 – Avoid contact with eyes

WGK (Water Danger / Protection):

No information found

United Kingdom Occupational Exposure Limits:

CAS 1333-86-4: OES-United Kingdom, STEL: 7 mg/m³

CAS 13463-67-7: OES-United Kingdom, TWA 10 mg/m³ (total inhalable dust); TWA 4 mg/m³ (respirable dust)

United Kingdom Maximum Exposure Limits:

CAS 14808-60-7: MEL-United Kingdom, TWA 0.3 mg/m³ (respirable)

CAS 85-44-9: MEL-United Kingdom, STEL 12 mg/m³

Canadian DSL/NDSL:

CAS 14808-60-7 is listed on Canada's DSL List.

CAS 85-44-9 is listed on Canada's DSL List.

CAS 1333-86-4 is listed on Canada's DSL List.

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CAS 13463-67-7 is listed on Canada's DSL List.

Canadian WHMIS Classifications:

No classification.

Canadian Ingredient Disclosure List:

CAS 14808-60-7 is listed on the Canadian Disclosure List.

CAS 85-44-9 is listed on the Canadian Disclosure List.

CAS 1333-86-4 is listed on the Canadian Disclosure List.

Exposure Limits:

CAS 14808-60-7:

OEL-Belgium: TWA 0.1 mg/m³

OEL-Denmark: TWA 0.1 mg/m³

OEL-Finland: TWA 0.2 mg/m³

OEL-Germany: TWA 0.15 mg/m³

OEL-Russia: STEL 14 mg/m³

OEL-Sweden: TWA 0.1 mg/m³

OEL-Switzerland: TWA 0.15 mg/m³

OEL-Thailand: TWA 10 mg/m³ (resp. dust); 30 mg/m³ (tot. dust)

OEL-UK: TWA 0.1 mg/m³ (resp. dust); 0.3 mg/m³ (tot. dust)

OEL-Bulgaria: See ACGIH TLV

OEL-Colombia: See ACGIH TLV

OEL-Jordan: See ACGIH TLV

OEL-Korea: See ACGIH TLV

OEL-New Zealand: See ACGI TLV

OEL-Singapore: See ACGI TLV

OEL-Vietnam: See ACGI TLV

CAS 85-44-9:

OEL-Australia: TWA 6mg/m³

OEL-Belgium: TWA 6.1mg/m³

OEL-Czechoslovakia: TWA 5 mg/m³; STEL 15 mg/m³

OEL-Denmark: TWA 5 mg/m³

OEL-Finland: TWA 2 mg/m³; STEL 15 mg/m³

OEL-France: STEL 6 mg/m³

OEL-Germany: TWA 5 mg/m³

OEL-Hungary: TWA 1 mg/m³; STEL 2 mg/m³

OEL-Netherlands: TWA 6 mg/m³

OEL-Philippines: TWA 12 mg/m³

OEL-Poland: TWA 1 mg/m³

OEL-Russia: STEL 1 mg/m³ (skin)

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OEL-Sweden: TWA 6 mg/m³; STEL 12 mg/m³
OEL-Switzerland: TWA 5 mg/m³; STEL 12 mg/m³
OEL-UK: TWA 6mg/m³; STEL 24mg/m³
OEL-Bulgaria: See ACGIH TLV
OEL-Colombia: See ACGIH TLV
OEL-Jordan: See ACGIH TLV
OEL-Korea: See ACGIH TLV
OEL-New Zealand: See ACGI TLV
OEL-Singapore: See ACGI TLV
OEL-Vietnam: See ACGI TLV

CAS 1333-86-4:

OEL-Australia: TWA 3 mg/m³
OEL-Belgium: TWA 3.5 mg/m³
OEL-Denmark: TWA 3.5 mg/m³
OEL-Finland: TWA 3.5 mg/m³; STEL 7 mg/m³
OEL-France: TWA 3.5 mg/m³
OEL-Netherlands: TWA 3.5 mg/m³
OEL-Philippines: TWA 3.5 mg/m³
OEL-Russia: STEL 4 mg/m³
OEL-Sweden: TWA 3 mg/m³
OEL-UK: TWA 3.5 mg/m³; STEL 7 mg/m³
OEL-Bulgaria: See ACGIH TLV
OEL-Colombia: See ACGIH TLV
OEL-Jordan: See ACGIH TLV
OEL-Korea: See ACGIH TLV
OEL-New Zealand: See ACGI TLV
OEL-Singapore: See ACGI TLV
OEL-Vietnam: See ACGI TLV
OES-UK: TWA 3.5 mg/m³; STEL 7 mg/m³

CAS 13463-67-7:

OEL-Arab Republic of Egypt: TWA 15 mg/m³
OEL-Australia: TWA 10 mg/m³
OEL-Belgium: TWA 10 mg/m³
OEL-Denmark: TWA 6 mg/m³
OEL-France: TWA 10 mg/m³
OEL-Germany: TWA 6 mg/m³
OEL-Philippines: TWA 15 mg/m³
OEL-Switzerland: TWA 6 mg/m³
OEL-Turkey: TWA 15 mg/m³
OEL-UK: TWA 5 mg/m³ (resp. dust); TWA 10 mg/m³ (total dust)



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OEL-Bulgaria: See ACGIH TLV
OEL-Colombia: See ACGIH TLV
OEL-Jordan: See ACGIH TLV
OEL-Korea: See ACGIH TLV
OEL-New Zealand: See ACGI TLV
OEL-Singapore: See ACGI TLV
OEL-Vietnam: See ACGI TLV
OES-UK: TWA 4 mg/m³ (resp. dust); TWA 10 mg/m³ (total dust)

16. Other Information

Prepared By

ASTI Environmental, Inc., Brighton, Michigan, on behalf of:
Durcon, Inc.
206 Allison Drive
Taylor, TX 76574

Date Prepared

April 27, 2009

The information contained in this Material Safety Data Sheet is based upon information that is considered accurate, and has been compiled using resources considered reliable. No warranty, either expressed or implied, is made regarding the accuracy of any of the information contained herein or the subsequent use of said information by a third party. The product user assumes responsibility for the use or misuse of the product. Durcon assumes no responsibility for injury or illness resulting from the misuse of the product by a third party.