

SAFETY DATA SHEET

Issue Date 01-May-2015

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Version 1

1. IDENTIFICATION

Product identifier

Product Name ANTIVIBE™ DL-10 / DL-10 REGULAR / DL-10 REGULAR - SC / DL-10 HV

Other means of identification

Product Code ANTIVIBES

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Vibration damping.

Uses advised against No information available

Details of the supplier of the safety data sheet

Blachford Corporation

Emergency telephone number

Emergency Telephone Chemtrec: 1-800-424-9300/1-703-741-5970

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) due to the presence of small amounts of hazardous components.

Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2

Label elements

Emergency Overview

Danger

Hazard statements

May cause cancer if inhaled in high concentrations over prolonged and repeated periods of time

May damage fertility or the unborn child if ingested in significant quantities

May cause damage to lungs through prolonged or repeated inhalation.

Symbol : Health Hazard

Appearance paste

Physical state paste

Odor Slight

Precautionary Statements - Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust/mist/vapors/spray.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice.

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

This product is classified Carcinogen 1A due to the presence of silica at > 0.1%. Silica has been classified by IARC as a human carcinogen, however health effects are limited to inhalation of the fine fraction of crystalline silica. This product is an aqueous paste; exposure to the fine fraction of crystalline silica is not expected under normal use conditions. In the event the dried product is sanded, a potential to produce airborne fine fraction silica exists, and appropriate precautions (ventilation and respiratory protection) should be taken. Refer to Sections 7, 8 & 11 of this SDS for more information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

Chemical nature Aqueous paste.

Chemical Name	CAS No.	Weight-%
Quartz	14808-60-7	< 2.5
Dibutyl phthalate	84-74-2	1 - 5
Titanium dioxide	13463-67-7	< 0.4

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin contact Wash with soap and water. Get medical attention if irritation develops and persists.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion Clean mouth with water then drink plenty of water. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None.

Specific hazards arising from the chemical

None - product is an aqueous dispersion; it is not flammable or combustible.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. If dried product is sanded, the potential to generate fine fraction crystalline silica exists. In this situation, good ventilation should be provided and appropriate respiratory protection worn if necessary to prevent exposure. Avoid generation of dust. Do not breathe dust. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep tightly closed in a dry and cool place. Keep away from heat. Keep from freezing.

Incompatible materials Strong oxidizing agents. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	(vacated) TWA: 0.1 mg/m ³ respirable dust : (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust
Dibutyl phthalate 84-74-2	TWA: 5 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 4000 mg/m ³ TWA: 5 mg/m ³
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³

Appropriate engineering controls

Engineering Controls If dust is created while using this product (e.g. during sanding of dried product) then good ventilation should be used to minimize exposure.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Suitable protective clothing.
Respiratory protection	If dust is created and ventilation is inadequate, use appropriate respiratory protection.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	paste	Odor	Slight
Appearance	paste	Odor threshold	No information available
Color	beige		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9.5 - 10.5	
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	Not applicable	
Evaporation rate	1 (water = 1)	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	< 1 (Air = 1)	
Relative density	> 1	
Water solubility	slightly soluble	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	Not applicable	
Oxidizing properties	Not applicable	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	VOC Content (EPA Method 24 & California Regulations):content of coating as supplied = 16 g/Lcontent of coating, less exempt materials = 37 g/LVOC (dibutyl phthalate) has a boiling point of approximately 600 F
Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information
Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye contact	Contact with eyes will cause irritation.
Skin contact	May cause irritation. Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion	Not an expected route of exposure. May cause irritation.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Quartz 14808-60-7	= 500 mg/kg (Rat)	-	-
Dibutyl phthalate 84-74-2	= 6300 mg/kg (Rat)	> 20 mL/kg (Rabbit)	> 15.68 mg/L (Rat) 4 h
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms When in doubt or if symptoms are observed, seek medical advice.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation Based on available data, the classification criteria are not met.
Sensitization Based on available data, the classification criteria are not met.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity This product contains < 2.5 % crystalline silica, an IARC 1A carcinogen. Based upon scientific evidence, it is generally necessary to inhale significant quantities of the fine fraction of silica in an occupational setting for prolonged and repeated periods of time before any possible health effect may occur. This product is an aqueous paste; exposure to the fine fraction of silica is not expected during normal use. This product contains < 0.4% titanium dioxide, an IARC 2B carcinogen. have shown that inhalation of high concentrations of titanium dioxide dust may cause respiratory tract cancer in rats, however these studies appear to have little or no relevance for humans. Several epidemiology studies on more than 20,000 titanium dioxide industry workers in Europe and the USA did not suggest a carcinogenic effect of titanium dioxide dust on the human lung.

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz 14808-60-7	A2	Group 1	Known	X
Titanium dioxide 13463-67-7	-	Group 2B	-	X

Reproductive toxicity This product contains <2 % dibutyl phthalate, which has produced fetotoxic, embryo-toxic and teratogenic effects in rats and mice at doses that were not maternally toxic. Exposure to significant oral doses of dibutyl phthalate has caused reproductive effects in several species. Pregnant women should not be exposed to vapours or mists of this product

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Route of exposure is through inhalation and the target organ is the lung. The main health effect of crystalline silica (fine fraction) is silicosis and it occurs, in the vast majority of instances, only after long term exposure to high concentrations

Aspiration hazard Not an aspiration hazard.

Numerical measures of toxicity - See component information

The following values are calculated based on chapter 3.1 of the GHS document .

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT: Dibutyl phthalate.

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Dibutyl phthalate 84-74-2	1.2: 72 h Desmodesmus subspicatus mg/L EC50 0.4: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	0.71 - 1.2: 96 h Pimephales promelas mg/L LC50 flow-through 0.31 - 5.45: 96 h Pimephales promelas mg/L LC50 static 1.24: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.24 - 5.3: 96 h Oncorhynchus mykiss mg/L LC50 static 1.38 - 1.74: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.42 - 1.28: 96 h Lepomis macrochirus mg/L LC50 static	2.99: 48 h Daphnia magna mg/L EC50 Static 3.4: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Dibutyl phthalate 84-74-2	5.38

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Dispose of in accordance with federal, state and local regulations.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Dibutyl phthalate 84-74-2	U069	Included in waste stream: F039	-	U069

14. TRANSPORT INFORMATION

DOT Not Regulated (Single Container < RQ)
Marine pollutant This product contains a chemical which is listed as a marine pollutant according to DOT:

Dibutyl phthalate.

TDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL/NDSL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Dibutyl phthalate - 84-74-2	1.0

SARA 311/312 Hazard Categories

Acute health hazard No
Chronic Health Hazard Yes
Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Dibutyl phthalate 84-74-2	10 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Dibutyl phthalate 84-74-2	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
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Quartz - 14808-60-7	Carcinogen
Dibutyl phthalate - 84-74-2	Developmental Female Reproductive Male Reproductive
Titanium dioxide - 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Quartz 14808-60-7	X	X	X
Dibutyl phthalate 84-74-2	X	X	X
Titanium dioxide 13463-67-7	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

HMIS **Health hazards** 1* **Flammability** 0 **Physical hazards** 0 **Personal protection** B
Chronic Hazard Star Legend * = *Chronic Health Hazard*

Prepared By G. Seagrave
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Revision Note
 No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet