

Safety Data Sheet

acc. GHS

Printing date 05/24/2017

Reviewed on 05/24/2017

1 Identification

- . **Product identifier**
- . **Trade name** LAVA DESIGN TEXTURE DT FMT
- . **Article number:** 21504
- . **Application of the substance / the mixture** Powder coating material
- . **Manufacturer/Supplier:**

The Eastwood Company
263 Shoemaker Road
Pottstown, PA 19464

Phone: 800-343-9353

Emergency Telephone number: 24/7 - 800-424-9300

2 Hazard(s) identification

- . **Classification of the substance or mixture**



GHS08 Health hazard

Muta. 1B H340 May cause genetic defects.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

Combustible Dust May form combustible dust concentrations in air.

- . **Label elements**

- . **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- . **Hazard pictograms**



GHS07



GHS08

- . **Signal word** *Danger*

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. Hazard-determining components of labeling:

1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine

. Hazard statements

May cause an allergic skin reaction.
May cause genetic defects.
May form combustible dust concentrations in air.

. Precautionary statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water.
If exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

. Classification system

. NFPA ratings (scale 0-4)



Health = 2
Fire = 1
Reactivity = 1

. HMIS-RATINGS (SCALE 0 - 4)



Health = 2
Fire = 1
Reactivity = 1

. Other hazards

. Results of PBT and vPvB assessment

. PBT: Not applicable.
. vPvB: Not applicable.

3 Composition/information on ingredients

. Chemical characterization: Mixtures

. Description: Mixture consisting of the following components with harmless additives.

. Hazardous ingredients:

21645-51-2	aluminium hydroxide	10-25%
1309-37-1	diiron trioxide	< 2.5%
106990-43-6	N,N',N'',N'''-tetrakis(4,6-bis(butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	< 1.0%
	Skin Sens. 1, H317	

. Additional information For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

. Description of first aid measures

. After inhalation

Supply fresh air and call for doctor for safety reasons.
In case of unconsciousness bring patient into stable side position for transport.

. After skin contact Instantly wash with water and soap and rinse thoroughly.

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- . **After eye contact** Rinse opened eye for several minutes under running water.
- . **After swallowing** In case of persistent symptoms consult doctor.
- . **Information for doctor**
- . **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- . **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

- . **Extinguishing media**
- . **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- . **Special hazards arising from the substance or mixture**
No further relevant information available.
- . **Advice for firefighters**
- . **Protective equipment:** No special measures required.

6 Accidental release measures

- . **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid causing dust.
- . **Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- . **Methods and material for containment and cleaning up:**
Collect mechanically.
Ensure adequate ventilation.
- . **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.
- . **Protective Action Criteria for Chemicals**

. PAC-1:

21645-51-2	aluminium hydroxide	8.7 mg/m ³
1317-61-9	Pigment Black 11	21 mg/m ³
1309-37-1	diiron trioxide	15 mg/m ³
13463-67-7	titanium dioxide	30 mg/m ³
20344-49-4	iron hydroxide oxide	24 mg/m ³
105-60-2	epsilon-caprolactam	3 mg/m ³
112926-00-8	Silicon dioxide	18 mg/m ³
77-58-7	dibutyltin dilaurate	1.1 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³
1344-28-1	aluminium oxide	15 mg/m ³
1314-23-4	zirconium dioxide	14 mg/m ³

. PAC-2:

21645-51-2	aluminium hydroxide	73 mg/m ³
1317-61-9	Pigment Black 11	230 mg/m ³
1309-37-1	diiron trioxide	360 mg/m ³
13463-67-7	titanium dioxide	330 mg/m ³
20344-49-4	iron hydroxide oxide	260 mg/m ³
105-60-2	epsilon-caprolactam	40 mg/m ³
112926-00-8	Silicon dioxide	200 mg/m ³
77-58-7	dibutyltin dilaurate	8 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³

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1344-28-1	aluminium oxide	170 mg/m ³
1314-23-4	zirconium dioxide	110 mg/m ³
. PAC-3:		
21645-51-2	aluminium hydroxide	440 mg/m ³
1317-61-9	Pigment Black 11	1,400 mg/m ³
1309-37-1	diron trioxide	2,200 mg/m ³
13463-67-7	titanium dioxide	2,000 mg/m ³
20344-49-4	iron hydroxide oxide	1,600 mg/m ³
105-60-2	epsilon-caprolactam	240 mg/m ³
112926-00-8	Silicon dioxide	1,200 mg/m ³
77-58-7	dibutyltin dilaurate	48 mg/m ³
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³
1344-28-1	aluminium oxide	990 mg/m ³
1314-23-4	zirconium dioxide	680 mg/m ³

7 Handling and storage

- . **Handling**
- . **Precautions for safe handling**
No special measures required.
Open and handle container with care.
- . **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Keep breathing equipment ready.

Dust can combine with air to form an explosive mixture.

- . **Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and containers:**
Store only in the original container.
Static charges may build up in the powder
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** None.
- . **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- . **Additional information about design of technical systems:** No further data; see item 7.
- . **Control parameters**
- . **Components with critical values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

21645-51-2 aluminium hydroxide	
REL (U.S.A)	Long-term value: 2 mg/m ³ as Al
TLV (U.S.A)	Long-term value: 1* mg/m ³ as Al;*as respirable fraction
EL (Canada)	Long-term value: 10 mg/m ³

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1309-37-1 diiron trioxide	
PEL (U.S.A)	Long-term value: 10* 15** 5*** mg/m ³ *Fume; Rouge: **Total dust, ***respirable
REL (U.S.A)	Long-term value: 5 mg/m ³ Dust & fume, as Fe
TLV (U.S.A)	Long-term value: 5* mg/m ³ *as respirable fraction
EL (Canada)	Short-term value: 10** mg/m ³ Long-term value: 5* 10*** 3**** mg/m ³ *dust & fume**fume; Rouge: ***total dust****resp.
EV (Canada)	Long-term value: 5* 10** mg/m ³ *respirable, including Rouge;**total dust
LMPE (Mexico)	Long-term value: 5* mg/m ³ A4, *fracción respirable

. Additional information:

The lists that were valid during the compilation were used as basis.

. Exposure controls .

. Personal protective equipment

. General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Store protective clothing separately.

. Breathing equipment:



In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

. Protection of hands:



Protective gloves.

. Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

. Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

. Eye protection:



Safety Glasses

. Body protection: Protective work clothing.

9 Physical and Chemical Properties

. Information on basic physical and chemical properties

. General Information

. Appearance:

Form:

Solid

Colour:

According to Trade Name

. Smell:

Characteristic

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- . **Odor threshold:** Not determined
- . **pH-value:** Not applicable
- . **Change in condition**
 - Melting point/Melting range:** > 50 °C / 120°F
 - Boiling point/Boiling range:** Not applicable
- . **Flash point:** Not applicable
- . **Inflammability (solid, gaseous)** Not determined
- . **Ignition temperature:** 390 °C (734 °F)
- . **Decomposition temperature:** Not determined
- . **Self-inflammability:** Product is not selfigniting.
- . **Danger of explosion:** Product is not explosive. However, formation of explosive air/dust mixtures is possible
- . **Critical values for explosion:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- . **Steam pressure:** Not applicable.
- . **Density (Specific gravity) at 20 °C (68 °F)** 1.42 g/cm³ (11.85 lbs/gal)
- . **Relative density** Not determined.
- . **Vapor density** Not applicable.
- . **Evaporation rate** Not applicable.
- . **Solubility in / Miscibility with Water:** Insoluble
- . **Partition coefficient (n-octanol/water):** Not determined.
- . **Viscosity:**
 - dynamic:** Not applicable.
 - kinematic:** Not applicable.
- . **Solvent content:**
 - Organic solvents:** 0.0 %
 - Solids content:** 100.0 %
- . **Other information** No further relevant information available.

10 Stability and Reactivity

- . **Reactivity** No further relevant information available.
- . **Chemical stability**
- . **Conditions to be avoided:** No decomposition if used according to specifications.
- . **Possibility of hazardous reactions** No dangerous reactions known
- . **Conditions to avoid** No further relevant information available.
- . **Incompatible materials:** No further relevant information available.
- . **Hazardous decomposition products:** In case of fire: CO, CO₂, NO_x

11 Toxicological Information

- . **Information on toxicological effects**
- . **Acute toxicity:**

LD/LC50 values that are relevant for classification:
2451-62-9 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione

Oral	LD50	188-1450 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	0.309-0.650 mg/l (rat)

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- . **Primary irritant effect:**
- . **on the skin:** No irritant effect.
- . **on the eye:** No irritant effect.
- . **Sensitization:** Sensitization possible by skin contact.
- . **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

The product can cause inheritable damage.

- . **Carcinogenic categories**

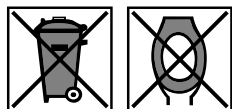
. IARC (International Agency for Research on Cancer)		
1309-37-1	diiron trioxide	3
13463-67-7	titanium dioxide	2B
105-60-2	epsilon-caprolactam	4
112926-00-8	Silicon dioxide	3
7631-86-9	silicon dioxide, chemically prepared	3
. NTP (National Toxicology Program)		
None of the ingredients is listed.		
. OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

12 Ecological information

- . **Toxicity**
 - . **Aquatic toxicity:** No further relevant information available.
 - . **Persistence and degradability** No further relevant information available.
 - . **Behaviour in environmental systems:**
 - . **Bioaccumulative potential** No further relevant information available.
 - . **Mobility in soil** No further relevant information available.
 - . **Additional ecological information:**
 - . **General notes:**
- Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- . **Results of PBT and vPvB assessment**
 - . **PBT:** Not applicable.
 - . **vPvB:** Not applicable.
 - . **Other adverse effects** No further relevant information available.

13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- . **UN-Number** N/A
- . **ADR, IMDG, IATA** N/A
- . **UN proper shipping name** N/A
- . **IMDG, IATA** N/A

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- . Transport hazard class(es)
- . DOT, IMDG, IATA
- . Class Not regulated.
- . Packing group N/A
- . ADR, IMDG, IATA N/A
- . Environmental hazards:
- . Marine pollutant: No
- . Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

* 15 Regulatory information

- . Safety, health and environmental regulations/legislation specific for the substance or mixture

- . SARA (Superfund Amendments and Reauthorization Act):

- . Section 355 (Extremely hazardous substances):

None of the ingredients is listed.

- . Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

- . TSCA (Toxic Substances Control Act):

All ingredients are listed.

- . Proposition 65:

- . Chemicals known to cause cancer:

13463-67-7 titanium dioxide

- . Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- . Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- . Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- . Cancerogenity categories

- . EPA (Environmental Protection Agency)

None of the ingredients is listed.

- . TLV (Threshold Limit Value established by ACGIH)

1309-37-1	diiron trioxide	A4
13463-67-7	titanium dioxide	A4
105-60-2	epsilon-caprolactam	A5
77-58-7	dibutyltin dilaurate	A4
1344-28-1	aluminium oxide	A4
1314-23-4	zirconium dioxide	A4

- . NIOSH-Ca (National Institute for Occupational Safety and Health)

13463-67-7 titanium dioxide

- . GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

- . Hazard pictograms



GHS07

GHS08

- . Signal word Danger

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. Hazard-determining components of labeling:

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triazin-2-yl)-4,7-diazadecane-1,10-diamine

. Hazard statements

May cause an allergic skin reaction.
May cause genetic defects.
May form combustible dust concentrations in air.

. Precautionary statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water.
If exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. Relevant phrases

H317 May cause an allergic skin reaction.

. Date of preparation / last revision 05/24/2017 / -

. Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Sens. 1: Skin sensitisation - Category 1
Muta. 1B: Germ cell mutagenicity - Category 1B

. * Data compared to the previous version altered.

US