

## SAFETY DATA SHEET

**STAN-TONE DB-34289 HL1 FROST BEIGE**Version Number 1.1  
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**STAN-TONE DB-34289 HL1 FROST BEIGE****Section 1. Identification**

GHS product identifier : STAN-TONE DB-34289 HL1 FROST BEIGE  
Chemical name : Mixture  
CAS number : Mixture  
Other means of identification : FO20030499  
Product type : solid

**Relevant identified uses of the substance or mixture and uses advised against**

Supplier's details : **GSDI Specialty Dispersions, Inc.**  
1675 Navarre Road SW, Massillon,  
Ohio USA 44646

1 330 837 8679

Emergency telephone number (with hours of operation) : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

**Section 2. Hazards identification**

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status :

Classification of the substance or mixture :

**GHS label elements**

Signal word : No signal word.  
Hazard statements : No known significant effects or critical hazards.

**Precautionary statements**

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General :  
Prevention :  
Response :  
Storage :  
Disposal :  
Supplemental label elements :  
Hazards not otherwise classified : Not available.

### Section 3. Composition/information on ingredients

Substance/mixture :  
Chemical name : Mixture  
Other means of identification : FO20030499

#### CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	45.6877	13463-67-7
Calcium carbonate	25.6195	1317-65-3
Silica, amorphous	2.5502	7631-86-9
Iron oxide	1.5119	1309-37-1
Quartz	0.0961	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

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Eye contact :  
Inhalation :  
Skin contact :  
Ingestion :

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact :  
Inhalation :  
Skin contact :  
Ingestion :

Over-exposure signs/symptoms

Eye contact :  
Inhalation :  
Skin contact :  
Ingestion :

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician :  
Specific treatments :  
  
Protection of first-aiders :

See toxicological information (Section 11)

**Section 5. Fire-fighting measures**

Extinguishing media

Suitable extinguishing media :  
Unsuitable extinguishing media :

Specific hazards arising from the chemical :  
Hazardous thermal decomposition products :

Special protective actions for fire-fighters :

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Special protective equipment for fire-fighters :

**Section 6. Accidental release measures**

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel :  
 For emergency responders :

Environmental precautions :

Methods and materials for containment and cleaning up

Small spill :  
 Large spill :

**Section 7. Handling and storage**

Precautions for safe handling

Protective measures :  
 Advice on general occupational hygiene :

Conditions for safe storage, including any incompatibilities :

**Section 8. Exposure controls/personal protection**

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Calcium carbonate	<b>OSHA PEL 1989 (1989-03-01)</b> PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust <b>PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable fraction</b> PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust <b>PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable fraction</b> PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust

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	<p><b>PEL: Permissible Exposure Level</b> 5 mg/m3 Form: Respirable fraction  <b>OSHA PEL (1993-06-30)</b>                  PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust  <b>PEL: Permissible Exposure Level</b> 5 mg/m3 Form: Respirable fraction  <b>PEL: Permissible Exposure Level</b> 15 mg/m3 Form: Total dust  <b>PEL: Permissible Exposure Level</b> 5 mg/m3 Form: Respirable fraction  <b>NIOSH REL (1994-06-01)</b>                  Time Weighted Average (TWA) 10 mg/m3 Form: Total  <b>Time Weighted Average (TWA)</b> 5 mg/m3 Form: Respirable fraction</p>
<p>Iron oxide</p>	<p><b>OSHA PEL 1989 (1989-03-01) expressed as Fe</b>                  Short Term Exposure Limit value for a 15-minute reference period expressed in parts per million or in mg/m3. 10 ppm Form: total particulates  <b>OSHA PEL 1989 (1989-03-01)</b>                  PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust  <b>PEL: Permissible Exposure Level</b> 5 mg/m3 Form: Respirable fraction  <b>OSHA PEL (1993-06-30)</b>                  PEL: Permissible Exposure Level 10 mg/m3  <b>NIOSH REL (1994-06-01) expressed as Fe</b>                  Time Weighted Average (TWA) 5 mg/m3 Form: Dust and fumes  <b>NIOSH REL (1994-06-01)</b>    <b>ACGIH TLV (2005-12-09)</b>                  TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 5 mg/m3 Form: Respirable fraction</p>
<p>Quartz</p>	<p><b>OSHA PEL 1989 (1989-03-01) Calculated as Quartz</b>                  PEL: Permissible Exposure Level 0.1 mg/m3 Form: Respirable dust  <b>OSHA - PEL Z3 (1997-09-03)</b>                  Time Weighted Average (TWA) Form: Respirable  <b>Time Weighted Average (TWA)</b> 10 mg/m3 Form: Respirable  <b>Time Weighted Average (TWA)</b> 30 mg/m3 Form: Total dust  <b>NIOSH REL (1994-06-01)</b>                  Time Weighted Average (TWA) 0.05 mg/m3 Form: Respirable dust  <b>ACGIH TLV (2005-12-09)</b>                  TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 0.025 mg/m3 Form: Respirable fraction</p>

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Silica, amorphous	<b>NIOSH REL (1994-06-01)</b> Time Weighted Average (TWA) 6 mg/m3
Titanium dioxide	<b>OSHA PEL 1989 (1989-03-01)</b> PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust <b>OSHA PEL (1993-06-30)</b> PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust <b>NIOSH REL (1994-06-01)</b>  <b>ACGIH TLV (1996-05-18)</b> TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 10 mg/m3

**Appropriate engineering controls** :  
**Environmental exposure controls** :

**Individual protection measures**

**Hygiene measures** :  
**Eye/face protection** :

**Skin protection**

**Hand protection** :  
**Body protection** :  
**Other skin protection** :  
**Respiratory protection** :

**Section 9. Physical and chemical properties****Appearance**

**Physical state** : solid [Powder.]  
**Color** : BROWN  
**Odor** : Not available.  
**Odor threshold** : Not available.  
**pH** : Not available.  
**Melting point** : Not available.  
**Boiling point** : Not available.  
**Flash point** : Not available.  
**Burning time** : Not available.  
**Burning rate** : Not available.  
**Evaporation rate** : Not available.

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Flammability (solid, gas)	:	Not available.
Lower and upper explosive (flammable) limits	:	<b>Lower:</b> Not available. <b>Upper:</b> Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	<b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available.

## Section 10. Stability and reactivity

Reactivity	:	
Chemical stability	:	
Possibility of hazardous reactions	:	
Conditions to avoid	:	
Incompatible materials	:	
Hazardous decomposition products	:	

## Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Titanium dioxide				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-

**Conclusion/Summary** : Mixture. Not fully tested.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
7/12					

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Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-
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**Conclusion/Summary**

**Skin** : Mixture.Not fully tested.  
**Eyes** : Mixture.Not fully tested.  
**Respiratory** : Mixture.Not fully tested.

**Sensitization**

**Conclusion/Summary**

**Skin** : Mixture.Not fully tested.  
**Respiratory** : Mixture.Not fully tested.

**Mutagenicity**

**Conclusion/Summary**

: Mixture.Not fully tested.

**Carcinogenicity**

**Conclusion/Summary**

: Mixture.Not fully tested.

**Classification**

Product/ingredient name	OSHA	IARC	NTP
Iron oxide		3	
Quartz		1	
Silica, amorphous		3	
Titanium dioxide		2B	

**Reproductive toxicity**

**Conclusion/Summary**

: Mixture.Not fully tested.

**Teratogenicity**

**Conclusion/Summary**

: Mixture.Not fully tested.

**Specific target organ toxicity (single exposure)**

**Specific target organ toxicity (repeated exposure)**

**Aspiration hazard**

**Information on the likely routes of exposure** : Not available.

**Potential acute health effects**



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Inhalation :  
Skin contact :  
Ingestion :

**Symptoms related to the physical, chemical and toxicological characteristics**

Eye contact :  
Inhalation :  
Skin contact :  
Ingestion :

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

Potential immediate effects : Not available.  
Potential delayed effects : Not available.

**Long term exposure**

Potential immediate effects : Not available.  
Potential delayed effects : Not available.

**Potential chronic health effects**

Conclusion/Summary : Mixture.Not fully tested.

General :  
Carcinogenicity :  
Mutagenicity :  
Teratogenicity :  
Developmental effects :  
Fertility effects :

**Numerical measures of toxicity**

**Acute toxicity estimates**

Not available.

**Section 12. Ecological information**

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Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium dioxide			
	Acute LC50 > 1,000,000 µg/l Marine water	Fish - Fish	96 h
	Acute LC50 > 1,000 mg/l Fresh water	Fish - Fish	96 h
	Acute LC50 13 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute LC50 6.5 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute LC50 3 mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute LC50 15.9 mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute LC50 3.6 mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute LC50 11 mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute LC50 13.4 mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute EC50 27.8 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 19.3 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 35.306 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h

**Conclusion/Summary** : Not available.

Persistence and degradability

**Conclusion/Summary** : Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Titanium dioxide		352.00	low

Mobility in soil

**Soil/water partition coefficient  
(KOC)** : Not available.

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Other adverse effects :

**Section 13. Disposal considerations****Section 14. Transport information**

U.S. DOT Classification : Not regulated for transportation.  
ICAO/IATA : Consult mode specific transport rules  
IMO/IMDG (maritime) : Consult mode specific transport rules

**Section 15. Regulatory information**

U.S. Federal regulations :  
DEA List I Chemicals (Precursor  
Chemicals) :  
DEA List II Chemicals (Essential  
Chemicals) :

**US. EPA CERCLA Hazardous Substances (40 CFR 302)****SARA 311/312**

Classification : Acute Health Hazard  
Chronic Health Hazard

**Composition/information on ingredients**

Name	%	Classification
Quartz	0.0961	CH
Titanium dioxide	45.6877	F

**SARA 313**

Not applicable.

**State regulations**

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International regulations

International lists :  
Chemical Weapons Convention :  
List Schedule I Chemicals :  
Chemical Weapons Convention :  
List Schedule II Chemicals :  
Chemical Weapons Convention :  
List Schedule III Chemicals :

**Section 16. Other information**History

Date of printing : 04/06/2016  
Date of issue/Date of revision : 03/04/2016  
Date of previous issue : 11/30/2012  
Version : 1.1

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

References : Not available.

Notice to reader

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