

In accordance with OSHA 29 CFR 1910.1200

DITRA-SET(TM) WHITE Revision Number 2

Revision date 22-Aug-2024 Supersedes date 04-Apr-2017

1. Identification

1.1. Product identifier

Product Name DITRA-SET(TM) WHITE

Other means of identification

Other information Not applicable

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use No information available Restrictions on use No information available

1.3. Details of the supplier of the safety data sheet

Responsible Party

Bostik Inc.

11320 W. Watertown Plank Road Wauwatosa, Wisconsin 53226 USA

Phone: +1(800) 726-7845 (Domestic Toll Free) Phone: +1 (414) 774-2250 (International)

E-mail msds@bostik.com

1.4. Emergency telephone number

Emergency Telephone CHEMTREC (Chemical Transportation Emergency Center)

Chemtrec: 1-800-424-9300 (US), 1-703-527-3887 (Outside U.S.)

Rocky Mountain Poison Center: 1-866-767-5089

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1

Hazards not otherwise classified (HNOC)

Not applicable

2.2. Label elements

EMERGENCY OVERVIEW

Danger

Hazard statements

Causes skin irritation

Causes serious eye damage

US - EN Page 1 / 12

DITRA-SET(TM) WHITE Revision Number 2

Revision date 22-Aug-2024 Supersedes date 04-Apr-2017

May cause an allergic skin reaction

May cause respiratory irritation

May cause cancer

Causes damage to organs through prolonged or repeated exposure



Appearance Powder

Physical state

Solid

Odor No information available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling Contaminated work clothing must not be allowed out of the workplace Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

Wear protective gloves/eye protection/face protection

Precautionary Statements - Response

Get medical advice/attention if you feel unwell

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor IF ON SKIN: Wash with plenty of water and soap

Take off contaminated clothing and wash it before reuse

If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Call a POISON CENTER or doctor if you feel unwell

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

2.3. Other Information

When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. Product dust may be irritating to eyes, skin and respiratory system. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. Product dust may be irritating to eyes, skin and respiratory system. Repeated exposure may cause skin dryness or cracking.

3. Composition/information on ingredients

3.1. Substances

Not applicable.

US - EN Page 2 / 12

DITRA-SET(TM) WHITE

Revision Number 2

Revision date 22-Aug-2024

Supersedes date 04-Apr-2017

Mixture

Chemical name	CAS No.	Weight-%
Quartz	14808-60-7	60 - 100
Cement, portland, chemicals	65997-15-1	10 - 30
Calcium oxide	1305-78-8	1 - <5
Calcium diformate	544-17-2	0.1 - <1

^{*}The exact percentage (concentration) of composition has been withheld as a trade secret

4. First-aid measures

4.1. Description of first aid measures

General advice If medical advice is needed, have product container or label at hand.

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

concerned: Get medical advice/attention.

Eye contact Do not rub affected area. Immediately flush with plenty of water. After initial flushing,

remove any contact lenses and continue flushing for at least 15 minutes. Get medical

attention if irritation develops and persists.

Skin contact Brush off loose particles from skin. Remove material from skin immediately. Wash off

immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and wash before reuse. If skin irritation persists, call a physician. May cause sensitization by

skin contact.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce

vomiting. If swallowed, call a poison control center or physician immediately.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation. Itching. Rashes. Hives. Causes serious eye damage. Irritating to skin.

Inhalation of dust in high concentration may cause irritation of respiratory system. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when

wearing trousers.

Effects of Exposure No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the

US - EN Page 3 / 12

DITRA-SET(TM) WHITE

Revision Number 2

Revision date 22-Aug-2024

Supersedes date 04-Apr-2017

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing mediaDo not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Product is or contains a sensitizer. May cause sensitization by skin contact. Thermal

decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Carbon dioxide (CO2). Silicon dioxide.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautionsUse personal protective equipment as required. Avoid generation of dust. Do not get in

eyes, on skin, or on clothing. Wear protective gloves/clothing and eye/face protection.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Sweep up to prevent slipping hazard.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system. See Section 12 for additional

Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containmentCover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

Prevent dust cloud.

Methods for cleaning up

Use personal protective equipment as required. Do not dry sweep dust. Wet dust with

water before sweeping or use a vacuum to collect dust. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. Take precautionary

measures against static discharges.

Reference to other sections See section 8 for more information. See section 13 for more information.

7. Handling and storage

7.1. Precautions for safe handling

US - EN Page 4 / 12

DITRA-SET(TM) WHITE

Revision Number 2

Revision Number 2

Revision Number 2

Revision Number 2

safety practice. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid generation of dust. Take off contaminated clothing and wash before reuse. Do not breathe

dust/fume/gas/mist/vapors/spray.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep out of the reach of children. Keep the packing dry and well sealed to prevent

contamination and absorption of humidity. Keep containers tightly closed in a dry, cool and

well-ventilated place.

7.3 References to other sections

Reference to other sections Section 10: STABILITY AND REACTIVITY

Section 13: DISPOSAL CONSIDERATIONS

8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or

level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other

recommended limit. At this time, the other relevant constituents have no known exposure

limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Quartz	TWA: 0.025 mg/m ³ respirable	TWA: 50 µg/m³	IDLH: 50 mg/m ³ respirable dust
14808-60-7	particulate matter	(vacated) TWA: 0.1 mg/m ³	TWA: 0.05 mg/m ³ respirable
		respirable dust	dust
		: (250)/(%SiO2 + 5) mppcf	
		TWA respirable fraction	
		: (10)/(%SiO2 + 2) mg/m ³	
		TWA respirable fraction	
Cement, portland, chemicals	TWA: 1 mg/m ³ particulate	TWA: 15 mg/m³ total dust	IDLH: 5000 mg/m ³
65997-15-1	matter containing no asbestos	TWA: 5 mg/m ³ respirable	TWA: 10 mg/m³ total dust
	and <1% crystalline silica,	fraction	TWA: 5 mg/m ³ respirable dust
	respirable particulate matter	(vacated) TWA: 10 mg/m³ total	
		dust	
		(vacated) TWA: 5 mg/m ³	
		respirable fraction	
		TWA: 50 mppcf <1% Crystalline	
		silica	
Calcium oxide	TWA: 2 mg/m ³	TWA: 5 mg/m ³	IDLH: 25 mg/m ³
1305-78-8		(vacated) TWA: 5 mg/m ³ not	TWA: 2 mg/m ³
		in effect as a result of	
		reconsideration	

l	Chemical name	Argentina	Brazil	S.D. 594/1999	Colombia
	Quartz	TWA: 0.05 mg/m ³	TWA: 0.025 mg/m ³	LPP: 0.08 mg/m ³	TWA: 0.025mg/m ³
	14808-60-7	-	_	-	-
I	Cement, portland, chemicals	TWA: 10 mg/m ³	TWA: 1 mg/m ³	LPP: 8.8 mg/m ³	TWA: 1mg/m ³
	65997-15-1	-			_
	Calcium oxide	TWA: 2 mg/m ³	TWA: 2 mg/m ³	LPP: 1.75 mg/m ³	TWA: 2mg/m ³

US - EN Page 5 / 12

DITRA-SET(TM) WHITE

Revision Number 2

Revision date 22-Aug-2024

Supersedes date 04-Apr-2017

1305-78-8

Chemical name	Costa Rica	Peru	Uruguay	Venezuela
Quartz	TWA: 0.025mg/m ³	TWA: 0.05mg/m ³	0.025 mg/m ³ TWA	TWA: 0.025 mg/m ³
14808-60-7			(respirable particulate	
			matter)	
Cement, portland, chemicals	TWA: 1mg/m ³	TWA: 10mg/m ³	1 mg/m³ TWA	TWA: 10 mg/m ³
65997-15-1			(particulate matter	
			containing no asbestos	
			and <1% crystalline	
			silica, respirable	
			particulate matter)	
Calcium oxide	TWA: 2mg/m ³	TWA: 2mg/m ³	2 mg/m³ TWA	TWA: 2 mg/m ³
1305-78-8				

8.2. Exposure controls

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

Hand protection Wear suitable chemical resistant gloves. The selection of suitable gloves does not only

depend on the material, but also on further marks of quality and various manufacturers.

Skin and body protection Wear suitable protective clothing.

Respiratory protectionUse appropriate respiratory protection. If exposure limits are exceeded or irritation is

experienced, NIOSH/MSHA approved respiratory protection should be worn.

Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local

regulations.

General hygiene considerations Wear suitable gloves and eye/face protection. Handle in accordance with good industrial

hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Wash hands and face before breaks and immediately after handling the product. Regular

cleaning of equipment, work area and clothing is recommended.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical stateSolidAppearancePowderColorWhite

US - EN Page 6 / 12

DITRA-SET(TM) WHITE

Revision Number 2

Revision date 22-Aug-2024

Supersedes date 04-Apr-2017

Odor No information available
Odor threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pHNo data availableNone knownpH (as aqueous solution)No data availableNone knownMelting point / freezing pointNot applicableNone knownInitial boiling point and boiling rangeNot applicableNone known

Flash point Not applicable . °C / 199.94 °F

Evaporation rateNot applicable .None knownFlammabilityNo data availableNone knownFlammability Limit in AirNone known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapor pressureNo data availableNone knownRelative vapor densityNo data availableNone knownRelative densityNo data availableNone knownWater solubilityNo data availableCement basedNone known

products react and solidify in contact

with water

No data available Solubility(ies) None known Partition coefficient No data available None known **Autoignition temperature** No data available None known **Decomposition temperature** No data available None known Kinematic viscosity Not applicable . None known Dynamic viscosity None known

9.2. Other information

Explosive properties

Oxidizing properties

No information available
No information available
No information available

Solid content (%) 100

Softening point Not relevant

Molecular weight No information available

VOC content

2 870 a/cm³

Density 2.870 g/cm³

Bulk density No information available

10. Stability and reactivity

10.1. Reactivity

Reactivity Product cures with moisture.

10.2. Chemical stability

Chemical stability Keep away from Incompatible materials. Stable under recommended storage conditions.

No information available

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions
None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Product cures with moisture.

US - EN Page 7 / 12

DITRA-SET(TM) WHITE

Revision Number 2

Revision date 22-Aug-2024

Supersedes date 04-Apr-2017

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents. Acids. Aluminum.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied

11. Toxicological information

11.1. Information on toxicological effects

Product Information

Inhalation May cause irritation of respiratory tract.

Eye contact Causes serious eye damage. May cause irreversible damage to eyes.

Skin contact May cause sensitization by skin contact. Repeated or prolonged skin contact may cause

allergic reactions with susceptible persons. (based on components). Causes skin irritation.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and

tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

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

 ATEmix (oral)
 160,041.60 mg/kg

 ATEmix (dermal)
 200,032.00 mg/kg

 ATEmix (inhalation-gas)
 >20000 ppm

 ATEmix (inhalation-dust/mist)
 483.08 mg/l

 ATEmix (inhalation-vapor)
 >20 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Quartz	=6450 mg/kg (Rattus)	-	-
14808-60-7			
Cement, portland, chemicals	LD50 >2000 mg/Kg (Rattus)	LD50 >2000 mg/Kg	-
65997-15-1			
Calcium oxide	>2000 mg/kg (Rattus)	LD50 > 2500 mg/kg	> 6.04 mg/L (Rat) 4 h
1305-78-8		(Oryctolagus cuniculus)	
Calcium diformate	=2650 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus)	-
544-17-2		OECD 402	

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

US - EN Page 8 / 12

DITRA-SET(TM) WHITE

Revision Number 2

Revision date 22-Aug-2024

Supersedes date 04-Apr-2017

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes burns. Causes serious eye

damage.

Respiratory or skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Classification based on data available for ingredients. The table below indicates ingredients

above the cut-off threshold considered as relevant which are listed as carcinogenic.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Quartz	A2	Group 1	Known	X
14808-60-7		·		

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans
NTP (National Toxicology Program)

Known - Known Carcinogen

Occupational Safety and Health Administration of the US Department of Labor

X - Present

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Target organ effects Respiratory system, Eyes, Skin, Lungs.

Aspiration hazard Based on available data, the classification criteria are not met.

Other adverse effects

No information available.

Interactive effects

No information available.

12. Ecological information

12.1. Toxicity

Ecotoxicity

ı	Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
				microorganisms	
	Calcium oxide	EC50	LC50 96 h = 50.6 mg/L	EC50 (Bacteria): 229,2	EC50 (48h) = 49.1
	1305-78-8	(Pseudokirchneriella	(Oncorhynchus mykiss)	mg/l	mg/l(Daphnia magna)
		subcapitata (green		Exposure time: 3 h	OECD 202
		algae)): 106,02 mg/l		Test Type: static test	
L		End point: Growth rate		Method: OECD Test	

US - EN Page 9 / 12

DITRA-SET(TM) WHITE

Revision Number 2

Revision date 22-Aug-2024

Supersedes date 04-Apr-2017

	Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes		Guideline 209 GLP: yes	
Calcium diformate 544-17-2	RC50 (72h) > 1000 mg/l (Pseudokirchnerella subcapitata)	LC50: >=1000mg/L (96h, Brachydanio rerio)	-	EC50 (48h) > 1000 mg/l (Daphnia magna) EPA-660/3-75-009

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility No information available.

Other adverse effects

Other adverse effects No information available.

13. Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused

products

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and

disposal methods in compliance with applicable regulations.

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

14. Transport information

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

International Inventories

TSCA	Complies
DSL	Complies

US - EN Page 10 / 12

DITRA-SET(TM) WHITE

Revision Number 2

Revision Number 2

Revision Number 2

Revision Number 2

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Complies - The components of this product are either listed or exempt from listing on inventory. Active

Not Listed - One or more components of this product are not listed on inventory.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

16. Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity

ATE: Acute Toxicity Estimate LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value Sk* Skin designation

Prepared By Product Stewardship and Regulatory Affairs.

Revision date 22-Aug-2024

Revision Note SDS sections updated. 2. 3. 4. 6. 11.

Disclaimer

All information contained herein is believed to be accurate as of the date of publication, is provided "as-is" and is subject to change without notice. This is not a warranty, an agreement, or substitute for expert or professional advice. Bostik Inc. ("Company") expressly disclaims and assumes no liability for the use of the products or reliance on this information. It is the sole responsibility of the user to determine the suitability of any products for user's application(s). NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED (INCLUDING SUITABILITY FOR USE IN ANY MEDICAL DEVICE OR MEDICAL APPLICATION), IS MADE CONCERNING THE PRODUCTS OR THE INFORMATION PROVIDED HEREIN. The information provided relates only to the specific products designated herein and may not be valid where such products are used in combination with other materials or in any process. The performance of the product, its shelf life, and application characteristics depends on many variables, and changes in these variables can impact product performance. You are responsible to test the suitability of any product in advance for any intended use or application and before commercialization. Nothing herein shall be construed as a license for the use of any product in a manner that might infringe any patent and it should not be construed as an inducement to infringe any patent. Please carefully review the Safety Data Sheet for the product.

The Company adheres to a strict policy that applies to the use of any of its products in medical device applications. This policy can be found at

US - EN Page 11 / 12

DITRA-SET(TM) WHITE Revision Number 2

Revision date 22-Aug-2024 Supersedes date 04-Apr-2017

https://www.arkema.com/global/en/social-responsibility/innovation-and-sustainable-solutions/responsible-product-mana gement/medical-device-policy/ which is incorporated herein by reference and made a part hereof. Except as expressly authorized, the Company (i) has designated specific medical grade compositions for products used in medical device applications and Company products not so designated are not authorized for use in medical device applications and (ii) strictly prohibits the use of any of its products in medical device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. The Company does not design, manufacture and/or directly sell any medical devices. The Company does not co-design, or offer assistance to any purchaser of its products, in their design, manufacture and/or sale of products for medical devices. It is the sole responsibility of the manufacturer of medical devices to determine the suitability of all raw material, products and components, including any medical grade products, in order to ensure that the medical device is safe for end-use and complies with all applicable legal and regulatory requirements and to conduct all necessary tests and inspections.

End of Safety Data Sheet

US - EN Page 12 / 12