

DYNA-STIX WDU+  
 Revision Number 1

Revision Date 27-Apr-2018  
 Supersedes Date: 27-Apr-2018

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product Identifier**

**Product Name** DYNA-STIX WDU+

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

**Recommended use** Adhesives.  
**Uses advised against** 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) 843-0844 (Domestic Toll Free)  
 Phone: +1 (414) 774-2250 (International)  
 Fax: +1 (414) 774-8075

E-mail msds@bostik-us.com

**1.4. Emergency telephone number**

Telephone: 1-800-227-0332  
 (Outside U.S.) 1-703-527-3887

**Section 2: HAZARD IDENTIFICATION**

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


Respiratory sensitization	Category 1
Flammable liquids	Category 4

**2.2. Label Elements**

**EMERGENCY OVERVIEW**

**DANGER**

**Hazard statements**  
 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 Combustible liquid



# Safety Data Sheet

DYNA-STIX WDU+  
Revision Number 1

Revision Date 27-Apr-2018  
Supersedes Date: 27-Apr-2018

<b>Appearance</b> Paste	<b>Physical State</b> Liquid	<b>Odor</b> No information available
-------------------------	------------------------------	--------------------------------------

## Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray  
In case of inadequate ventilation wear respiratory protection  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Wear protective gloves/protective clothing/eye protection/face protection

## Precautionary Statements - Response

Not applicable  
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.

## Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

## Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

## Hazards Not Otherwise Classified (HNOC)

Not applicable

## Unknown acute toxicity

19% of the mixture consists of ingredient(s) of unknown toxicity

## 2.3. Other Information

No information available.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Mixture

### 3.2 Mixtures

Chemical Name	CAS No	Weight-%
Limestone	1317-65-3	40 - 70
Naphtha, petroleum, heavy alkylate	64741-65-7	3 - 7
Quartz	14808-60-7	0.1 - 1
Benzenesulfonyl isocyanate, 4-methyl-	4083-64-1	0.1 - 1

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

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin Contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

**Inhalation** Move to fresh air in case of accidental inhalation of vapors or decomposition products. If

# Safety Data Sheet

DYNA-STIX WDU+  
Revision Number 1

Revision Date 27-Apr-2018  
Supersedes Date: 27-Apr-2018

breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If symptoms persist, call a physician.

**Self-Protection of the First Aider** Use personal protective equipment as required.

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

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

## 4.4. Reference to Other Sections

**Reference to other sections** Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 11: TOXICOLOGY INFORMATION

## **Section 5: FIRE-FIGHTING MEASURES**

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

Use. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray (fog). Alcohol resistant foam.

#### **Unsuitable Extinguishing Media**

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

### 5.2. Special hazards arising from the substance or mixture

#### **Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

#### **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### 5.3. Advice for firefighters

#### **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.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

### 6.2. Environmental precautions

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. See Section 12 for additional Ecological Information.

# Safety Data Sheet

DYNA-STIX WDU+  
Revision Number 1

Revision Date 27-Apr-2018  
Supersedes Date: 27-Apr-2018

## 6.3. Methods and material for containment and cleaning up

**Methods for Containment** Protect from moisture. Dike far ahead of spill for later disposal. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Use personal protective equipment as required. Dam up. Soak up with inert absorbent material. Use clean non-sparking tools to collect absorbed material. Take precautionary measures against static discharges. Clean contaminated surface thoroughly.

## 6.4. Reference to other sections

**Reference to other sections** Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

## **Section 7: HANDLING AND STORAGE**

### 7.1. Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Protect from direct contact with water or excessive moisture.

**Incompatible Materials** Water.

### 7.3. Specific end use(s)

**Other Information** No information available.

### 7.4. References to Other Sections

**Reference to other sections** Section 13: DISPOSAL CONSIDERATIONS  
Section 10: STABILITY AND REACTIVITY

## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1. Control parameters

**Exposure Guidelines** . This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product.

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Limestone 1317-65-3	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter	IDLH: 50 mg/m <sup>3</sup> respirable dust	TWA: 50 µg/m <sup>3</sup> TWA: 50 µg/m <sup>3</sup> excludes	TWA: 0.1 mg/m <sup>3</sup>

# Safety Data Sheet

DYNA-STIX WDU+  
Revision Number 1

Revision Date 27-Apr-2018  
Supersedes Date: 27-Apr-2018

		TWA: 0.05 mg/m <sup>3</sup> respirable dust	construction work, agricultural operations, and exposures that result from the processing of sorptive clays : (250)/( %SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction	
--	--	--	--	--

Chemical Name	Argentina	Brazil	Chile	Venezuela
Limestone 1317-65-3	TWA: 10 mg/m <sup>3</sup>	-	TWA: 7 mg/m <sup>3</sup>	-
Quartz 14808-60-7	TWA: 0.05 mg/m <sup>3</sup>	-	TWA: 0.08 mg/m <sup>3</sup>	TWA: 0.025 mg/m <sup>3</sup>

## 8.2. Exposure controls

### Engineering Controls

Showers  
Eyewash stations  
Ventilation systems.

### Personal protective equipment [PPE]

#### Eye/Face Protection

Tight sealing safety goggles.

#### Skin and Body 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.

#### 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

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Regular cleaning of equipment, work area and clothing is recommended.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Paste
Color	White
Odor	No information available
Odor Threshold	No information available

#### Property

#### Values

#### Remarks • Method

pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	172 °C / 342 °F	
Flash Point	63 °C / 145 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Relative Density	No information available	

**Water Solubility** No information available  
**Solubility in Other**

# Safety Data Sheet

DYNA-STIX WDU+  
Revision Number 1

Revision Date 27-Apr-2018  
Supersedes Date: 27-Apr-2018

	<b>Solvents</b>	
	<b>Partition Coefficient</b>	No information available
	<b>Autoignition Temperature</b>	No information available
	<b>Decomposition Temperature</b>	No information available
<b>Kinematic Viscosity</b>		No information available
<b>Dynamic Viscosity</b>		No information available
<b>Explosive Properties</b>		No information available
<b>Oxidizing Properties</b>		No information available
<b>9.2. Other information</b>		
<b>Softening Point</b>		No information available
<b>Molecular Weight</b>		No information available
<b>Solvent content (%)</b>		No information available
<b>Solid content (%)</b>		95.5
<b>Density</b>		1.649 g/cm <sup>3</sup>
<b>VOC</b>		< 25 g/L / 2 %

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reacts with water. Protect from moisture.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Heat, flames and sparks. Protect from moisture.

### 10.5. Incompatible materials

Water.

### 10.6. Hazardous decomposition products

None known based on information supplied.

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

<b>Product Information</b>	No data available
<b>Inhalation</b>	May cause sensitization by inhalation.
<b>Eye contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.

# Safety Data Sheet

DYNA-STIX WDU+  
Revision Number 1

Revision Date 27-Apr-2018  
Supersedes Date: 27-Apr-2018

## Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone 1317-65-3	>5000 mg/kg (rat)	-	-
Naphtha, petroleum, heavy alkylate 64741-65-7	> 7000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.04 mg/L ( Rat ) 4 h
Quartz 14808-60-7	>2000 mg/kg ( Rat )	-	-
Benzenesulfonyl isocyanate, 4-methyl- 4083-64-1	= 2234 mg/kg ( Rat )	-	> 640 ppm ( Rat ) 1 h

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

<b>Symptoms</b>	No information available.
<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious Eye Damage/Eye Irritation</b>	No information available.
<b>Irritation</b>	No information available.
<b>Corrosivity</b>	No information available.
<b>Sensitization</b>	May cause sensitization by inhalation.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>Teratogenicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Chronic Toxicity</b>	No information available.
<b>Target Organ Effects</b>	Eyes, Respiratory system, Skin.
<b>Aspiration hazard</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen. As Quartz (14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

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

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

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

No information available

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus)	CL50 (96h)>10000mg/L Fish (Oncorhynchus mykiss)		CE50 (48h) >1000 mg/L Daphnia Magna
Naphtha, petroleum, heavy alkylate 64741-65-7	EC50 72 h = 30000 mg/L (Pseudokirchneriella subcapitata)			LC50 48 h = 2 mg/L (Mysidopsis bahia )

# Safety Data Sheet

DYNA-STIX WDU+  
Revision Number 1

Revision Date 27-Apr-2018  
Supersedes Date: 27-Apr-2018

## 12.2. Persistence and degradability

No information available.

## 12.3. Bioaccumulative potential

No information available.

## 12.4. Mobility in soil

No information available.

## Other adverse effects

No information available

## **Section 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

#### **Disposal of Wastes**

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

## **Section 14: TRANSPORTATION INFORMATION**

### **Note:**

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition) The information shown here, may not always agree with the bill of lading shipping description for the material 49 CFR 173.150(f)(2) "The requirements in this subchapter do not apply to a material classed as a combustible liquid in a non-bulk packaging unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant."

### DOT

<b>UN/ID No</b>	NA1993
<b>Proper Shipping Name</b>	Combustible liquid, n.o.s. (Naphtha, petroleum, heavy alkylate)
<b>Hazard Class</b>	Combustible liquid
<b>Packing Group</b>	III
<b>Special Provisions</b>	IB3, T1, TP1, 148
<b>Description</b>	NA1993, Combustible liquid, n.o.s. (Naphtha, petroleum, heavy alkylate), Combustible liquid, III
<b>Emergency Response Guide Number</b>	128

IATA Not regulated

IMDG Not regulated

## **Section 15: REGULATORY INFORMATION**

### Global Inventories

<b>TSCA</b>	Listed
<b>DSL</b>	Listed



# Safety Data Sheet

DYNA-STIX WDU+  
Revision Number 1

Revision Date 27-Apr-2018  
Supersedes Date: 27-Apr-2018

## Legend:

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

**DSL** - Canadian Domestic Substances List

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

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

## Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

### WHMIS Hazard Class

B3 - Combustible liquid

D2A - Very toxic materials



## United States of America

### 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

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

## Europe

### Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

### EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Section 16: OTHER INFORMATION

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

No information available

### Key Literature References and Sources for Data

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 27-Apr-2018

**Revision Note** SDS sections updated, 1, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16.

# Safety Data Sheet

**DYNA-STIX WDU+**  
**Revision Number 1**

**Revision Date** 27-Apr-2018  
**Supersedes Date:** 27-Apr-2018

---

**Training Advice** No information available

**Further information** No information available

**Disclaimer**

The information provided in this 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**