

In accordance with OSHA 29 CFR 1910.1200

GRIP-N-SHIELD(TM) Revision Number 2.01

Revision date 15-May-2025 Supersedes date 18-Apr-2019

1. Identification					
1.1. Product identifier					
Product Name	GRIP-N-SHIELD(TM)	GRIP-N-SHIELD(TM)			
Other means of identification Other information	Not applicable				
1.2. Relevant identified uses of the	e substance or mixture and uses advised against				
Recommended use Restrictions on use	Adhesives No information available				
1.3. Details of the supplier of the s	afety data sheet				
Responsible Party Bostik Inc. 11320 W. Watertown Plank Road Wauwatosa, Wisconsin 53226 USA Phone: +1(800) 726-7845 (Domest Phone: +1 (414) 774-2250 (International Contemport)					
E-mail	msds@bostik.com				
<u>1.4. Emergency telephone number</u> Emergency Telephone	CHEMTREC (Chemical Transportation Emergency Chemtrec: 1-800-424-9300 (US), 1-703-527-388 Rocky Mountain Poison Center: 1-866-767-508	37 (Outside U.S.)			
2. Hazard(s) identificatior					
2.1. Classification of the substance	e or mixture				
Respiratory sensitization		Category 1			
Skin sensitization		Category 1			
Reproductive toxicity Category 1B					
Specific target organ toxicity (repeat	ed exposure)	Category 2			

Hazards not otherwise classified (HNOC)

Not applicable

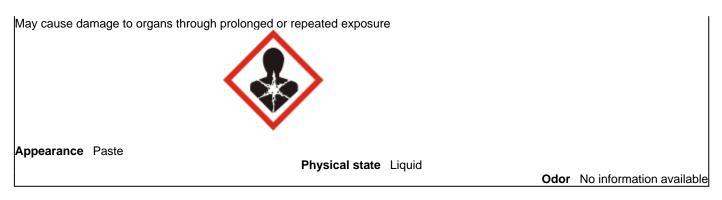
2.2. Label elements

EMERGENCY OVERVIEW

Danger

Hazard statements May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause an allergic skin reaction May damage fertility or the unborn child

GRIP-N-SHIELD(TM) Revision Number 2.01



Precautionary Statements - Prevention

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Wear protective gloves/protective clothing/eye protection/face protection In case of inadequate ventilation wear respiratory protection Contaminated work clothing must not be allowed out of the workplace Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention IF ON SKIN: Wash with plenty of water and soap If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing If experiencing respiratory symptoms: Call a POISON CENTER or doctor

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

2.3. Other Information

Causes mild skin irritation.

3. Composition/information on ingredients

3.1. Substances

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%
Limestone	1317-65-3	30 - 60
4,4'-Methylenediphenyl diisocyanate	101-68-8	1 - <5
o-(p-isocyanatobenzyl)phenyl isocyanate	5873-54-1	1 - <5
Propylene carbonate	108-32-7	1 - <5
Carbon black	1333-86-4	0.1 - <1
Benzene, 1,1'-methylenebis[4-isocyanato-,	201615-11-4	0.1 - <1
homopolymer, isobutyl alcohol-blocked		
4-isocyanatosulphonyltoluene tosyl isocyanate	4083-64-1	0.1 - <1

 Dibutyltin dilaurate
 77-58-7
 0.1 - <1</th>

 *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	Show this safety data sheet to the doctor in attendance.
Inhalation	May cause allergic respiratory reaction. Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Get immediate medical attention.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin contact	May cause an allergic skin reaction. May cause sensitization by skin contact. Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.
Ingestion	May produce an allergic reaction. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get immediate medical attention.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. See section 8 for more information.
4.2. Most important symptoms and	effects, both acute and delayed
Symptoms	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/ or wheezing. Itching. Rashes. Hives. Prolonged contact may cause redness and irritation.
Effects of Exposure	No information available.
4.3. Indication of any immediate me	edical 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 surrounding environment.		
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.		
Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.			
5.2. Special hazards arising from the substance or mixture			

Specific hazards arising from the	Product is or contains a sensitizer. May cause sensitization by inhalation. May cause		
chemical	sensitization by skin contact. Thermal decomposition can lead to release of irritating and		
US - EN	Page 3 / 13		

GRIP-N-SHIELD(TM) Revision Number 2.01	Revision date 15-May-2025 Supersedes date 18-Apr-2019	
	toxic gases and vapors.	
Hazardous combustion products	Carbon oxides. Carbon dioxide (CO2). Nitrogen oxides (NOx). Hydrogen cyanide. Isocyanates.	
Explosion data Sensitivity to mechanical impac	t 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 Mea	sures	
6.1. Personal precautions, protectiv	e equipment and emergency procedures	
Personal precautions	Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.	
Other information	Refer to protective measures listed in Sections 7 and 8.	
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. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.	
6.3. Methods and material for conta	inment and cleaning up	
Methods for containment	Prevent further leakage or spillage if safe to do so. 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. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.	

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. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation. Use with local exhaust ventilation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep out of the reach of children. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Protect from moisture.
Storage Conditions	tightly closed in a dry, cool and well-ventilated place. Store locked up. Protect from

Recommended storage temperature Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

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

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	OSHA PEL	NIOSH
Limestone 1317-65-3	-	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
		fraction (vacated) TWA: 15 mg/m³ total dust	
		(vacated) TWA: 5 mg/m ³ respirable fraction	
4,4'-Methylenediphenyl	TWA: 0.005 ppm	(vacated) Ceiling: 0.02 ppm	IDLH: 75 mg/m ³ Ceiling: 0.020 ppm 10 min
diisocyanate 101-68-8		regulated under Methylene bisphenyl isocyanate	Ceiling: 0.2 mg/m ³ 10 min
		(vacated) Ceiling: 0.2 mg/m ³ regulated under Methylene bisphenyl isocyanate Ceiling: 0.02 ppm Ceiling: 0.2 mg/m ³	TWA: 0.005 ppm TWA: 0.05 mg/m³
Carbon black 1333-86-4	TWA: 3 mg/m ³ inhalable particulate matter	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
Dibutyltin dilaurate 77-58-7	TWA: 0.1 mg/m³ Sn STEL: 0.2 mg/m³ Sn pSk	TWA: 0.1 mg/m ³ Sn (vacated) TWA: 0.1 mg/m ³ Sn (vacated) S*	IDLH: 25 mg/m³ Sn TWA: 0.1 mg/m³ except Cyhexatin Sn

Chemical name	Argentina	Brazil	S.D. 594/1999	Colombia
Limestone	TWA-CMP: 10 mg/m ³ ;	-	TWA-LPP: 7 mg/m ³ ;free	-
1317-65-3	_		of Asbestos with <1%	
			free Crystalline Silica	
			TWA-LPP:	
			5 mg/m ³ ;respirable	
			fraction	
4,4'-Methylenediphenyl	TWA-CMP: 0.005 ppm;	TWA-LT: 0.005 ppm;	TWA-LPP: 0.004 ppm;	TWA: 0.005ppm
diisocyanate			TWA-LPP: 0.05 mg/m ³ ;	
101-68-8			-	

GRIP-N-SHIELD(TM) Revision Number 2.01

Carbon black 1333-86-4	TWA-CMP: 3.5 mg/m ³ ;	TWA-LT: 3.5 mg/m ³ ; inhalable particulate	-	TWA: 3mg/m ³
		matter		
Dibutyltin dilaurate	TWA-CMP: 0.1 mg/m ³ ;	TWA-LT: 0.1 mg/m ³ ;	TWA-LPP: 0.09 mg/m ³ ;	STEL: 0.2mg/m ³
77-58-7	STEL (CMP-CPT): 0.2	STEL: 0.2 mg/m ³ ;	STEL-LPT: 0.2 mg/m ³ ;	TWA: 0.1mg/m ³
	mg/m ³ ;		pSd	_
	Sk			

Chemical name	Costa Rica	Peru	Uruguay	Venezuela
4,4'-Methylenediphenyl diisocyanate 101-68-8	TWA: 0.005ppm	TWA: 0.005ppm TWA: 0.051mg/m³	0.005 ppm TWA (listed under Methylene bisphenyl isocyanate (MDI))	TWA: 0.005 ppm
Carbon black 1333-86-4	TWA: 3mg/m ³	TWA: 3.5mg/m ³	3 mg/m ³ TWA (inhalable particulate matter)	TWA: 3.5 mg/m ³
Dibutyltin dilaurate 77-58-7	STEL: 0.2mg/m ³	STEL: 0.2mg/m ³ TWA: 0.1mg/m ³	0.2 mg/m³ STEL (as Sn) 0.1 mg/m³ TWA (as Sn)	Skin STEL: 0.2 mg/m³ TWA: 0.1 mg/m³

8.2. Exposure controls

Appropriate engineering controls

Engineering controls	Showers Eyewash stations Ventilation systems.
Individual protection measures, su	ch 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 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. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended.

9. Physical and Chemical Properties

GRIP-N-SHIELD(TM) Revision Number 2.01

Physical state	Liquid	
Appearance	Paste	
Color Odor	Brown	
Odor Odor threshold	No information available No information available	
Odor infestiona		
Property	Values	Remarks • Method
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling rang	eNo data available	None known
Flash point	> 93.3 °C / 199.94 °F	
Evaporation rate	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive	No data available	
limits		
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	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	No data available	None known
Dynamic viscosity	No data available	None known
9.2. Other information		
Explosive properties	No information available	
Oxidizing properties	No information available	
Solvent content (%)	No information available	
Solid content (%)	96.3	
Softening point	No information available	
Molecular weight	No information available	
VOC content		No information available
Density	1.712 g/cm ³	
Bulk density	No information available	
10. Stability and Reactivity		
10.1. Reactivity		
Reactivity	No information available.	
10.2. Chemical stability		
Chemical stability	Stable under normal conditions.	
10.3. Possibility of hazardous react	ions_	
Possibility of hazardous reactions	None under normal processing.	
Hazardous polymerization	Hazardous polymerization may occur.	

10.4. Conditions to avoid	
Conditions to avoid	Protect from moisture.
10.5. Incompatible materials	
Incompatible materials	None known based on information supplied.
10.6. Hazardous decomposition pro	ducts
Hazardous decomposition products	s Carbon monoxide Carbon dioxide (CO2) Nitrogen oxid

Hazardous decomposition products Carbon monoxide Carbon dioxide (CO2) Nitrogen oxides (NOx) Hydrogen cyanide Thermal decomposition can lead to release of irritating and toxic gases and vapors

11. Toxicological information

11.1. Information on toxicological effects

Product Information

Inhalation	May cause sensitization in susceptible persons.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact. Causes mild skin irritation.
Ingestion	May cause additional affects as listed under "Inhalation".
Symptoms related to the physical,	chemical and toxicological characteristics
Symptoms	Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/ or wheezing. Itching. Rashes. Hives. Prolonged contact may cause redness and irritation.
<u>Acute toxicity</u> Numerical measures of toxicity	

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

ATEmix (oral)	>5000 mg/kg
ATEmix (dermal)	124,506.20 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	26.50 mg/l
ATEmix (inhalation-vapor)	>20 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone	>5000 mg/kg (Rattus)	-	-
1317-65-3			
4,4'-Methylenediphenyl	=31600 mg/kg (Rattus)	LD 50 > 9400 mg/kg	1.5 mg/L (Rattus) 4 h
diisocyanate	= 9200 mg/kg (Rattus)	(Oryctolagus cuniculus)	
101-68-8		OECD 402	
o-(p-isocyanatobenzyl)phenyl	LD50 >2000 mg/Kg (Rattus)	LD 50 > 9400 mg/kg	1.5 mg/L (4h) Rat
isocyanate		(Oryctolagus cuniculus)	

5873-54-1		OECD 402	
Propylene carbonate 108-32-7	LD50 > 5000 mg/kg (Rattus) OECD 401	> 3000 mg/kg (Oryctolagus cuniculus)	-
Carbon black 1333-86-4	LD50 > 8000 mg/kg (Rattus) OECD 401	> 3 g/kg (Oryctolagus cuniculus)	> 4.6046 mg/m³ (Rat)4 h
Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer, isobutyl alcohol-blocked 201615-11-4	LD50 (Rat): Estimated > 2,500 mg/kg OECD 423	LD50 (Rattus): > 2,000 mg/kg OECD 402	ATE 1.5 mg/L
4-isocyanatosulphonyltoluene tosyl isocyanate 4083-64-1	=2234 mg/kg (Rattus)	LD 50 (Rattus) > 2000 mg/kg OECD 402	>640 ppm (Rattus) 1 h
Dibutyltin dilaurate 77-58-7	=2071 mg/kg (Rattus) OECD 401	> 2000 mg/kg (Rattus)	-

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 mild skin irritation.

o-(p-isocyanatobenzyl)phenyl isocyanate (5873-54-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute	Rabbit				irritant
Dermal Irritation/Corrosion					

Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer, isobutyl alcohol-blocked (201615-11-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute	Rabbit	Dermal			May cause transient
Dermal Irritation/Corrosion					irritation

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

4,4'-Methylenediphenyl diisocyanate (101-68-8)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute	Rabbit	Eye	0.1 mL	24 hours	Non-irritant
Eye Irritation/Corrosion		-			

Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer, isobutyl alcohol-blocked (201615-11-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute	Rabbit	еуе			May cause transient
Eye Irritation/Corrosion					irritation

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity

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

Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer, isobutyl alcohol-blocked (201615-11-4)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation	Hamster, in vitro	Not mutagenic in AMES Test
Test		-
OECD Test No. 475: Mammalian Bone Marrow	Mouse, in vivo	Not mutagenic
Chromosome Aberration Test		_

Carcinogenicity

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.

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

Chemical name	ACGIH	IARC	NTP	OSHA
4,4'-Methylenediphenyl	-	Group 3	-	-
diisocyanate				
101-68-8				
Carbon black	A3	Group 2B	-	Х
1333-86-4	A3 - Confirmed Animal			
	Carcinogen with Unknown			
	Relevance to Humans			
Dibutyltin dilaurate	A4 - Not Classifiable as a	_	_	-
77-58-7	Human Carcinogen			

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

A4 - Not classifiable as a human carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Occupational Safety and Health Administration of the US Department of Labor

X - Present

4,4'-Methylenediphenyl diisocyanate (101-68-8)

Method	Species	Results
OECD Test No. 453: Combined Chronic	Rat	Limited evidence of a carcinogenic effect
Toxicity/Carcinogenicity Studies		-

o-(p-isocyanatobenzyl)phenyl isocyanate (5873-54-1)

Method	Species	Results
OECD Test No. 453: Combined Chronic	Rat	Carcinogenic
Toxicity/Carcinogenicity Studies		-

Reproductive toxicity	Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.
STOT - single exposure	Based on available data, the classification criteria are not met.
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Target organ effects	Respiratory system, Eyes, Skin.
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

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
Limestone	CE50 (72h) >200mg/L	CL50 (96h)>10000mg/L	-	CE50 (48h) >1000 mg/L
1317-65-3	Algae (Desmondesmus	(Oncorhynchus mykiss)		Daphnia Magna
	subspicatus)			
4,4'-Methylenediphenyl	ErC50 (72h) >1640 mg/L	>1000 mg/l Danio rerio	-	EC50 (24H) >1000 mg/L
diisocyanate	Algae (scenedesmus	C C		Daphnia magna
101-68-8	subspicatus) (OECD 201)			
o-(p-isocyanatobenzyl)ph	ErC50 (72h) >1640 mg/L	LC50 (96 h) > 1000 mg/l	-	EC50 (24H) >1000 mg/L
enyl isocyanate	Algae (scenedesmus	Danio rerio (OECD 203)		Daphnia magna
5873-54-1	subspicatus) (OECD 201)			
Propylene carbonate	ErC50 (72h): > 900mg/L	LC50 (96) h > 1000 mg/L	EC50 > 10000 mg/L 17 h	EC50 (48h): > 1000mg/L
108-32-7	(Desmodesmus	(Cyprinus carpio,	_	(Daphnia magna, OECD
	subspicatus, OECD-201)	67/548/EWG, Annex V,		202)
		C.1.)		
Carbon black	>10000 mg/l	>1000 mg/l (Brachydanio	-	EC50: >5600mg/L (24h,
1333-86-4	(Desmodesmus	rerio) OCDE 203		Daphnia magna)
	subspicatus) OECD 202			
Benzene,	EC50 72hr : > 1,000 mg/l	LC0 96hr : > 100 mg/l	-	EC0 48hr : > 100
1,1'-methylenebis[4-isocy	(Desmodesmus	(Danio rerio (zebra fish))		mg/I(Daphnia magna
anato-, homopolymer,	subspicatus (green	OECD 203		(Water flea)) OECD 202
isobutyl alcohol-blocked	algae)) OECD 201			
201615-11-4				
Dibutyltin dilaurate	EC50 1 (72h) mg/L	LC50: =2mg/L (48h,	-	0,463 (48h) mg/L
77-58-7	(desmodesmus	Oryzias latipes)		(daphnia magma)
	subspicatus)			

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

There is no data for this product.

Component Information

Chemical name	Partition coefficient
Limestone	0.9
1317-65-3	
4,4'-Methylenediphenyl diisocyanate	4.51
101-68-8	
Propylene carbonate	-0.41
108-32-7	
4-isocyanatosulphonyltoluene tosyl isocyanate	0.6
4083-64-1	
Dibutyltin dilaurate	4.44
77-58-7	

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
ΙΑΤΑ	Not regulated
IMDG	Not regulated

15. Regulatory Information	

International Inventories

TSCA	Complies
DSL	Complies

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

<u>SARA 313</u>

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	CAS No.	SARA 313 - Threshold Values %
4,4'-Methylenediphenyl diisocyanate	101-68-8	1.0
o-(p-isocyanatobenzyl)phenyl isocyanate	5873-54-1	1.0

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.

GRIP-N-SHIELD(TM)

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				
LegendSection 8: EXPOSURE CONTROLS/PERSONAL PROTECTIONTWATWA (time-weighted average)STELCeilingMaximum limit valueSk*		STEL (Short Term Exposure Limit) Skin designation		
Prepared By	Product Stewardship an	Product Stewardship and Regulatory Affairs.		
Revision date	15-May-2025			
Revision Note	SDS sections updated.	2. 3. 11.		

Disclaimer

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End of Safety Data Sheet