

Safety Data Sheet

ARMOR SLIDE (2 gallon kit)

SDS Revision Date:

10/17/2019



1. Identification

1.1. Product identifier

Product Identity ARMOR SLIDE
Alternate Names Product Code: 62860024000

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

Intended use Aqueous Silicone
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Brunswick Bowling Products, LLC
525 W. Laketon Ave.
Muskegon, MI 49441 USA

Emergency

24 hour Emergency Telephone No. (CHEMTEL) US: 800-255-3924
International: +01-813-248-0585

Customer Service: Brunswick Bowling Products, LLC 231-725-4966

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Liq. 3;H226	Flammable liquid and vapor.
Skin Irrit. 3;H316	Causes mild skin irritation. (Not adopted by US OSHA)
Eye Irrit. 2;H319	Causes serious eye irritation.
STOT SE 3;H336	May cause drowsiness or dizziness.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

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H226 Flammable liquid and vapor.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness and dizziness.

[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P235 Keep cool.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

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3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Isopropyl Alcohol CAS Number: 0000067-63-0	25 - 50	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
Ethylene glycol monobutyl ether CAS Number: 0000111-76-2	1 - 5	Acute Tox. 4;H332 Acute Tox. 4;H312 Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

NOTES TO PHYSICIAN: Treat symptomatically. No artificial respiration, mouth-to-mouth or mouth to nose. Use suitable instruments/apparatus. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Treat symptomatically. Effects of contact or inhalation may be delayed. Keep warm and in a quiet place. Additional information is given in the SDS.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion

If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Overview

Pre-existing medical conditions aggravated by exposure may include disorders of the skin, respiratory and central nervous system.

EFFECTS: May irritate skin and cause redness and pain. Respiratory track irritation.

Exposure to solvent vapor concentrations from the component solvents in excess of the

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stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

Inhalation

May cause drowsiness or dizziness.

Eyes

Causes serious eye irritation.

Skin

Causes mild skin irritation. (Not adopted by US OSHA)

5. Fire-fighting measures

5.1. Extinguishing media

Foam, Co2, Dry Chemical.

5.2. Special hazards arising from the substance or mixture

PERSONAL PRECAUTIONS: Avoid substance contact. Do not inhale vapors. Ensure fresh air supply in enclosed areas.

PROTECTIVE EQUIPMENT: Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the substances being handled. The resistance of the protective clothing should be ascertained from the respective supplier. Respiratory protection required when vapors are generated. Splash goggles. Chemical resistant gloves and skin cream.

EMERGENCY PRECAUTIONS: Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

Hazardous decomposition: Thermal decomposition can lead to release of irritating gases and vapors.

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

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

5.3. Advice for fire-fighters

Keep away from sources of ignition. Prevent fire-fighting water from entering surface water or groundwater. Cool

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container with spray water from a safe distance. Never use welding or cutting torch on or near container (even empty) because product may ignite explosively.

COMBUSTION PRODUCTS: Vapors heavier than air. Development of hazardous combustion gases or vapors possible in the event of fire.

Use self-contained breathing apparatus, use water for cooling container to prevent pressure build up, auto-ignition or explosion. Avoid spreading burning liquid with water.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

ERG Guide No. 128

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

PERSONAL PRECAUTIONS: Avoid substance contact. Do not inhale vapors. Ensure fresh air supply in enclosed areas.

PROTECTIVE EQUIPMENT: Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the substances being handled. The resistance of the protective clothing should be ascertained from the respective supplier. Respiratory protection required when vapors are generated. Splash goggles. Chemical resistant gloves and skin cream.

EMERGENCY PRECAUTIONS: Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

PERSONAL PRECAUTIONS: Avoid substance contact. Do not inhale vapors. Ensure fresh air supply in enclosed areas.

PROTECTIVE EQUIPMENT: Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the substances being handled. The resistance of the protective clothing should be ascertained from the respective supplier. Respiratory protection required when vapors are generated. Splash goggles. Chemical resistant gloves and skin cream.

EMERGENCY PRECAUTIONS: Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

Use inert absorbent material to take up spilled material. Place in appropriate container until proper disposal method is determined.

SMALL SPILL: Eliminate all ignition sources. Contain the spill utilizing absorbent pads and absorbent dike/burn

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material. Place the spilled material in a salvage container for disposal according to local/national regulations. Clean up any remaining residue according to company policy. Ensure that no material enters the water system or sewer system. Local authorities should be contacted if Use personal protective equipment. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. LARGE SPILL: Eliminate all ignition sources. Prevent spreading over a wide area (e.g. by the use of berms or dikes created with absorbent material.) Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. Consideration should be given to contacting specialized vendors to assist in mitigating the spill.

7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. NO SMOKING.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/eye protection/face protection.

Avoid generation of vapors. Do not inhale vapors.
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.
Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed in a dry and well ventilated place. Keep at a temperature between 0 to 50 degrees Celsius.
Store in well-ventilated area between 40 degrees F (4 degrees C) and 100 degrees F (38 degrees C). Store away from heat and sources of ignition. ECI takes no responsibility for determining what measures are required for personal protection in any specific application. The general information given should be used with discretion.
Incompatible materials: This material is incompatible with strong oxidizing agents, strong mineral acids, alkali metals and halogens.
See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
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0000067-63-0	Isopropyl Alcohol	OSHA	TWA 400 ppm (980 mg/m3) STEL 500 ppm
		ACGIH	TWA: 200 ppm STEL: 400 ppm Revised 2003,
		NIOSH	TWA 400 ppm (980 mg/m3) ST 500 ppm (1225 mg/m3)
		Supplier	No Established Limit
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	TWA 50 ppm (240 mg/m3) [skin]
		ACGIH	TWA: 20 ppm Revised 2003,
		NIOSH	TWA 5 ppm (24 mg/m3) [skin]
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory

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.

Eyes

Safety glasses with side shields

Skin

Hand Protection: Polyvinyl acetate/protective gloves. Body Protection: Chemical resistant gloves/gauntlets, boots, and apron (where risk of splashing.)

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Eye bath and safety shower, uniforms or aprons may be used to avoid excessive contact. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Translucent white Liquid
Odor	Slight Alcohol
Odor threshold	Not determined
pH	8.0-9.0
Melting point / freezing point	Not Applicable
Initial boiling point and boiling range	N/A
Flash Point	41.11 degrees C/106 degrees F Closed Cup
Evaporation rate (Ether = 1)	No applicable information was found
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No applicable information was

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Vapor pressure (Pa)	found
Vapor Density	Upper Explosive Limit: No applicable information was found
Specific Gravity	<31 mmHg
Solubility in Water	(Air = 1) >1
Partition coefficient n-octanol/water (Log Kow)	0.9757
Auto-ignition temperature	Solubility in water is complete.
Decomposition temperature	Not Measured
Viscosity (cSt)	No applicable information was found
VOC Content	Not No applicable information was found
Percent Volatile (by volume)	No applicable information was found
Percent Volatile (by weight)	No applicable information was found
9.2. Other information	
No other relevant information.	

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

This material is incompatible with strong oxidizing agents, strong mineral acids, alkali metals and halogens.

10.5. Incompatible materials

This material is incompatible with strong oxidizing agents, strong mineral acids, alkali metals and halogens.

10.6. Hazardous decomposition products

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

11. Toxicological information

Acute toxicity

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Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Isopropyl Alcohol - (67-63-0)	4,710.00, Rat - Category: 5	12,800.00, Rat - Category: NA	72.60, Rat - Category: NA	No data available	No data available
Ethylene glycol monobutyl ether - (111-76-2)	1,200.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	173.00, Guinea Pig - Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation. (Not adopted by US OSHA)
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-63-0	Isopropyl Alcohol	OSHA	Select Carcinogen: No

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		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

12. Ecological information

12.1. Toxicity

Toxic to aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Isopropyl Alcohol - (67-63-0)	1,400.00, Lepomis macrochirus	100.00, Daphnia magna	100.00 (72 hr), Scenedesmus subspicatus
Ethylene glycol monobutyl ether - (111-76-2)	1,464.00, Oncorhynchus mykiss	1,000.00, Daphnia magna	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

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14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated, per 49 CFR 173.150(f)(1) combustible liquid exemption	UN1993	UN1993
14.2. UN proper shipping name	Not Applicable	UN1993, Flammable liquids, n.o.s. (contains Isopropyl Alcohol), LTD QTY	UN1993, Flammable liquids, n.o.s. (contains Isopropyl Alcohol)
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: 3 Sub Class: Not Applicable	Air Class: 3
14.4. Packing group	Not Applicable	III	III
14.5. Environmental hazards			
IMDG	Marine Pollutant: No;		
14.6. Special precautions for user	No further information	EMS CODE: F-E S-E	

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	B3 D2B
US EPA Tier II Hazards	Fire: Yes Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No

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EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

Ammonia

EPCRA 313 Toxic Chemicals:

Ethylene glycol monobutyl ether

Isopropyl Alcohol

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Ethylene glycol monobutyl ether

Isopropyl Alcohol

Pennsylvania RTK Substances (>1%):

Ethylene glycol monobutyl ether

Isopropyl Alcohol

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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H332 Harmful if inhaled.

H336 May cause drowsiness and dizziness.

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as 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 material in any process, unless specified in the text.

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