



Safety Skid
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Safety

Product Identity: ANTISKID B



1. GENERAL INFORMATION

IMPORTANT: Read this MSDS before handling or disposing of this product, and provide this information to the Employee, customers, and users of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard.

2. HAZARDOUS INGREDIENT INFORMATION

CAS No.	Ingredient Name & %	Source	Exposure Data
		OSHA:	200 mg/m ³ TWA 150 ppm STEL; 560 mg/m ³ STEL
		ACGIH:	50 ppm TWA
		NIOSH:	100 ppm TWA; 375 mg/m ³ TWA150 ppm STEL; 560 mg/m ³ STEL500 ppm IDLH
		Supplier:	No Data Available
		OHSA CAN:	50 ppm TWAEV; 376 mg/m ³ TWAEV150 ppm STEV; 564 mg/m ³ STEV
		Mexico:	100 ppm TWA; 375 mg/m ³ TWA150 ppm STEL; 560 mg/m ³ STEL
000108-88-3	Toluene 15-30% by Weight	Brazil:	78 ppm; 290 mg/m ³ ; skin absorber; medium degree of harm
		Source	Health Data
		NIOSH:	Central nervous system depressant
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No

		IARC	Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No
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CAS No.	Ingredient Name & %	Source	Exposure Data
		OSHA:	No Data Available
		ACGIH:	No Data Available
		NIOSH:	No Data Available
		Supplier:	No Data Available
		OHSA CAN:	50 ppm TWAEV; 270 mg/m ³ TWAEV
		Mexico:	No Data Available
000108-65-6	Propylene glycol monomethyl ether acetate 1.0-10% by Weight	Brazil:	No Data Available
		Source	Health Data
		NIOSH:	No Data Available
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
		OSHA:	No Data Available
		ACGIH:	No Data Available
		NIOSH:	No Data Available
		Supplier:	No Data Available
		OHSA CAN:	No Data Available
		Mexico:	No Data Available
028182-81-2	Hexamethylene diisocyanate homopolymer 60-80% by Weight	Brazil:	No Data Available
		Source	Health Data

		NIOSH:	No Data Available
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
		OSHA:	100 ppm TWA; 435 mg/m ³ TWA ppm STEL; 655 mg/m ³ STEL
		ACGIH:	100 ppm TWA 150 ppm STEL
		NIOSH:	100 ppm TWA; 435 mg/m ³ TWA900 IDLH
		Supplier:	No Data Available
		OHS CAN:	100 ppm TWA; 435 mg/m ³ TWA150 ppm STEV; 650 mg/m ³ STEV
		Mexico:	100 ppm TWA; 435 mg/m ³ TWA150 ppm STEL; 655 mg/m ³ STEL
001330-20-7	Xylenes (o-,m-,p-isomers) 15-30% by Weight	Brazil:	100 ppm; 340 mg/m ³ ; skin absorber; medium degree of harm
		Source	Health Data
		NIOSH:	Central nervous system depressant; respiratory and eyes irritation
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC	Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No

3. HAZARD IDENTIFICATION

Overview:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
Inhalation:	Harmful if inhaled. Causes lung irritation. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes:	Causes eye burns. Do not get in eyes.

Skin:	Causes severe eye irritation. Do not get in eyes.
Ingestion:	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.
Chronic Effects:	Contains an ingredient, which can cause organ damage (See Section 2 and Section 15 for each ingredient). Possible cancer hazard. Contains an ingredient, which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.
HMIS Rating:	Health: 3 Flammability: 2 Reactivity: 1

4. FIRST AID MEASURES

General:	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion:	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

5. PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory:	Select equipment to provide protection from the ingredients listed in Section 2 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST. Do not breathe vapor or spray mist. Wear an appropriate, properly fitted respirator (NIOSH approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable limits. A supplied air respirator (either positive pressure or continuous flow type) is required.
Eyes:	Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin/Hand:	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls:	Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.
Other Work Practices:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

6. FIRE AND EXPLOSION INFORMATION

Flash Point:	F: 114 C: 46
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Lower Explosive Limit (LEL):	1 (%vol in air) at Normal Atmospheric Temp and Pressure
Fire and Explosion Hazards:	Combustible liquid and vapor. FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.
Fire Fighting Procedures:	Also Reference Emergency Response Guide Number: Not Determined

7. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
pH:	Not Determined
Specific Gravity:	0.96
Boiling Point (F):	165
Vapor Density:	Heavier than air
VOC Content (lbs):	Refer to the Technical Data Sheet for this product
Evaporation Rate:	Slower than ether

8. STABILITY AND REACTIVITY DATA

General:	This product is stable and hazardous polymerization will not occur
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition:	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

9. HANDLING AND STORAGE

Storage Temperature:	Store between 32 and 120 F
Handling and Storage Precautions:	Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite explosively. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Do not get in eyes, on skin or clothing. Close container after each use. Wash thoroughly after handling

10. TOXICOLOGICAL DATA

General:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No additional information provided for this product. See Section 2 for chemical specific data.
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11. ECOLOGICAL DATA

General:	No additional information provided for this product. See Section 2 for chemical specific data.
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12. ACCIDENTAL RELEASE MEASURES

Spill Response Procedures:	ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walkthrough spilled material. Stop leak if you can do so without risk. Prevent entry into waterways sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material. No additional information provided for this product. See Section 2 for chemical specific data.
Public Safety:	Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet). Also, Reference Emergency Response Guide Number: Not Determined

13. DISPOSAL CONSIDERATION

Waste Disposal:	Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).
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14. REGULATORY INFORMATION

Regulatory Overview:	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.
WHMIS Classification:	B3
Regulatory List DOT Marine Pollutants (10%): (No Product Ingredients Listed)	Product Ingredients on List
DOT Severe Marine Pollutants (1%): (No Product Ingredients Listed)	
EPCRA 311/312 Chemicals and RQs:	
000822-06-0	Hexamethylene diisocyanate: final RQ= 100 pounds (45.4 kg)

000108-65-6	Propylene glycol monomethyl ether acetate : (Includes mono- and di- ethers of ethylene glycol; diethylene glycol and triethylene glycol R-(OCH2CH2)n-OR" where n = 1 2 or 3; R = alkyl or aryl groups; R" = R h or groups which when removed yield glycol ethers with the structure R-(OCH2CH2)n-OH. Polymers are excluded from glycol category); Statutory RQ = 1 pound (.454 kg); no final RQ is being assigned to the generic or broad class
001330-20-7	Xylenes (o-, m-, p- isomers): final RQ = 100 pounds (45.4 kg)
EPCRA 302 Extremely Hazardous: (No Product Ingredients Listed)	
EPCRA 313 Toxic Chemicals:	
000822-06-0 000108-65-6 000108-88-3	Hexamethylene diisocyanate Propylene glycol monomethyl ether acetate Toluene
Mass RTK Substances:	
000108-88-3 001330-20-7	Toluene Xylenes (o-, m-, p- isomers)
Mass Extraordinarily Haz Substances: (No Product Ingredients Listed)	
Penn RTK Substances:	
000108-65-6 001330-20-7 000108-88-3	Propylene glycol monomethyl ether acetate Xylenes (o-, m-, p- isomers) Toluene
Penn Special Hazardous Substances:	
000108-88-3	Toluene
Rhode Island Hazardous Substances:	
000108-88-3 001330-20-7	Toluene Xylenes (o-, m-, p- isomers)
RCRA Status: (No Product Ingredients Listed)	
N.J. RTK Substances:	
000108-88-3 001330-20-7	Toluene Xylenes (o-, m-, p- isomers)

N.J. Special Hazardous Substances	
000108-88-3 001330-20-7	Toluene Xylenes (o-, m-, p- isomers)
N.J. Env. Hazardous Substances	
000822-06-0 000108-65-6 001330-20-7 000108-88-3	Hexamethylene diisocyanate Propylene glycol monomethyl ether acetate Xylenes (o-, m-, p- isomers) Toluene
Proposition 65 – Carcinogens:	
000108-88-3	Toluene
Proposition 65 - Female Reproductive Toxins: (No Product Ingredients Listed)	
Proposition 65 - Male Reproductive Toxins: (No Product Ingredients Listed)	
Proposition 65 - Developmental Toxins:	
000108-88-3	Toluene

15. 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.