


SAFETY DATA SHEET

HYDROFLEX 10 or 30

SECTION 1 IDENTIFICATION

Product Name	Hydroflex protection sheet
Product Identifier	Mixture of asphalt, Polypropylene, Talc Stabilizer, Calcium Carbonate, Polyester Mat, Silica Crystalline parting agents
Recommended Use	APP Modified Bitumen Roofing Base/Ply Sheet
Restrictions	None
Supplier Address	American Hydrotech, Inc. 541 N. Fairbanks Chicago, IL 60611
Phone Number	(800) 877-6125
Emergency Number	(800) 633-8253 (PERS #11540)

SECTION 2 HAZARDS

GHS Classification	H372
Hazard Pictographs	
Signal Word	DANGER
Hazard Statements	H372 - Causes damage to organs (central nervous system, eye, skin, lung, liver) through prolonged or repeated exposure (dermal, inhalation)
Precautionary Statements	P260 - Do not breathe fume, gas, vapors P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear protective gloves and clothing P314 - Get medical advice/attention if you feel unwell P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

SECTION 3 COMPOSITION

Chemical Composition

COMPONENT	CAS NUMBER	PERCENT BY WEIGHT
Petroleum Asphalt	8052-42-4	50 - 70
Polypropylene	9003-07-0	12 - 22
Talc Stabilizer	14807-96-6	0 - 10
Calcium Carbonate	1317-65-3	5 - 23
Fiberglass Mat	65997-17-3	5 - 25
Silica, crystalline	14808-60-7	3 - 25
Dry Talc Dusting	14807-96-6	3 - 15

Note: The above components and their percentages are provided for health and safety purposes, ONLY. This document should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

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SECTION 4 FIRST AID MEASURES

Eyes	If foreign matter enters eyes, immediately flush with large amounts of potable water for at least 15 minutes or until irritation subsides. Get medical attention if irritation persists.
Skin	Remove contaminated clothing and wash with soap and water.
Inhalation	Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, give oxygen. Get medical attention.
First-Aid, Ingestion	Consult a physician if unusual reaction is noted. Product is not intended nor is it likely to be ingested or eaten.
Symptoms, Acute & Delayed	Refer to Section 11 - Toxicological Information
Immediate Medical Attention	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials

SECTION 5 FIRE FIGHTING MEASURES

Flash Point	> 520-650°F (ASTM D92) LEL: 1% UEL: 6%
Hazardous Products of Combustions	Carbon dioxide, carbon monoxide and partially burned carbon
Extinguishing Media	Foam CO ₂ or dry chemical extinguishers.
Firefighting instruction	Burning of this product will produce thick black smoke.
Explosion Hazard	None
Protection Gear	Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing to avoid smoke inhalation and lack of oxygen.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	No special precautions should be necessary if material is used under ordinary conditions and as recommended.
Personal Precautions	No emergency procedures should be necessary if material is used under ordinary conditions as recommended.
Environmental Precautions	Avoid run off to waterways and sewers.
Method and Materials for Containment & Clean Up	Pick up large pieces. Vacuum dust. If sweeping is necessary, use a dust suppressant such as water. These procedures will help to minimize potential exposures. Scoop up material and put into a suitable container for disposal as a nonhazardous waste.

SECTION 7 HANDLING AND STORAGE

Handling	Use this product with adequate ventilation. Avoid breathing dusts or fumes generated from cutting or heating this material. Always wash work clothes separately from other clothing. Wash thoroughly after handling. Use personal protective equipment as described in Section 8.
Storage	Keep containers cool, dry and away from sources of ignition. DO NOT STORE NEAR HEAT, SPARKS, FLAME, OTHER SOURCES OF IGNITION OR STRONG OXIDIZERS.

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SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye	Safety glasses with side shields should be worn at a minimum.
Skin	Normal work clothing (long sleeved shirts, long pants and smooth bottom work shoes) is recommended.
Respiratory	Use NIOSH or MSHA approved respiratory protective equipment when airborne exposure limits are exceeded.
Ventilation	Ventilation may be used to reduce airborne concentrations. If ventilation can not reduce airborne concentrations below acceptable limits, appropriate respiratory protection should be used.
Work/Hygienic Practices	Wash hands after application

Occupational Exposure Limits

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	NIOSH REL
Petroleum Asphalt	8052-42-4	Not Established	0.5 mg/m ³ TWA (respirable)	0.5 mg/m ³ Ceiling (15 min)
Polypropylene	9003-07-0	5 mg/m ³ (respirable)	10 mg/m ³	10 mg/m ³ TWA
Talc	14807-96-6	20 mppcf*	2 mg/m ³ TWA (respirable)	2 mg/m ³ TWA
Calcium Carbonate	1317-65-3	5 mg/m ³ (respirable) 15 mg/m ³ (total)	10 mg/m ³ TWA	5 mg/m ³ TWA
Fiberglass Mat	65997-17-3	15 mg/m ³	Not Established	3 mg/m ³ TWA 5 mg/m ³ (total)
Silica, crystalline	14808-60-7	10 mg/m ³ (respirable) 30 mg/m ³ (total)	Not Established	3 mg/m ³ TWA 5 mg/m ³ (total)

*Million particles per cubic foot

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Polyester reinforced, APP polymer modified asphaltic material
Odor	Slight asphalt odor
Odor Threshold	No data available
pH	No data available
Relative Evaporation Rate	No data available
Boiling Point	> 900°F; > 482°C
Freezing Point	No data available
Flash Point	520-650°F; 271 - 343°C
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Specific Gravity (H₂O =1)	0.9 - 1.1
Vapor pressure	< 0.1
Vapor Density (AIR=1)	> 20
Solubility in Water	NIL

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SECTION 10 STABILITY AND REACTIVITY

Stability	Stable at room temperature in closed containers under advised storage and handling conditions.
Reactivity	Upon combustion CO and CO ₂ are formed
Conditions to Avoid	Strong oxidizers, no spark or open flame, direct sunlight and high temperatures
Hazardous Decomposition	Carbon monoxide, carbon dioxide, hydrogen sulfide and sulfur dioxide
Hazardous Polymerization	Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

Mutagenicity	May cause genetic defects (dermal, inhalation)
Carcinogenicity	May cause cancer (dermal, inhalation)
Specific Target Organ Toxicity	Causes damage to organs (central nervous system, eye, skin lung and liver) through prolonged or repeated exposure.
Chronic Effects	Prolonged and repeated skin contact may cause dermatitis, photo-sensitization and melanosis.
Potential Adverse Human Health Effects	Based on available data, the classification criteria are not met.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity	Employ best management practices to prevent this material from entering storm sewer systems, waterways or otherwise impacting plant and animal species.
Environmental Transport	No Data
Environment Degradation	No Data
Soil Absorption/Mobility	No Data

SECTION 13 DISPOSAL CONSIDERATIONS

Product Waste	The transportation, storage, treatment and dispose of this waste must be conducted in accordance with all applicable federal, state and local regulations.
Packaging Waste	The transportation, storage, treatment and dispose of this waste must be conducted in accordance with all applicable federal, state and local regulations.

SECTION 14 TRANSPORT INFORMATION

Transportation Regulations	This product is not regulated as a hazardous material in transportation.
National Motor Freight Classification (NMFC)	Class 55

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SECTION 15 REGULATORY INFORMATION

TSCA Inventory	Components are listed
DSL Inventory	Components are listed
WHMIS Classification	Class D, Division 2
Sara 313	None present
Sara 311/312 Categories	Acute Health Hazard; Chronic Health Hazard
CERCLA	None present
CA Proposition 65	This product may contain chemicals known to the state of California to cause cancer, birth defects, and/or other reproductive harm.

Right to Know States

COMPONENT	CAS NUMBER	CA	MA	MN	NJ	PA	RI
Petroleum Asphalt	8052-42-4	No	Yes	No	Yes	Yes	Yes
Polypropylene	9003-07-0	No	No	No	Yes	Yes	No
Talc	14807-96-6	Yes	Yes	Yes	Yes	Yes	No
Calcium Carbonate	1317-65-3	No	Yes	Yes	No	Yes	Yes
Fiberglass Mat	65997-17-3	Yes	No	Yes	Yes	Yes	Yes
Silica, crystalline	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes

SECTION 16 OTHER INFORMATION

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

COMPONENT	HEALTH	FIRE	REACTIVITY
NFPA Rating	1	1	0
HMIS Rating	1	1	0

Reason for revision: Solvent Change & updated hazard information

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The Environmental Information included, as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings, have been included by DERBIGUM Americas in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with DERBIGUM Americas' interpretation of the available data.