ASPHATECH

Est. 1998

LIMITED

GATOR GRIP

SEMI-PLASTIC BITUMEN

MATERIAL SAFETY DATA SHEET

GATOR GRIP SEMI-PLASTIC BITUMEN

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Gator Grip Semi-Plastic Bitumen
Manufacturer / Final Product Composer:	Asphatech Limited
Address:	#60 King Street, Princes Town, Trinidad, W.I.
Telephone / Technical:	(868) 681-8326
Fax:	(868) 655-3418
Website:	asphatech.com
Material Product Code:	GGSPB
Date Created:	14/06/2005 **Date Revised:** 03/05/2023

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS — Chemical name / common name (Hazardous components 1% or greater, carcinogens 1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Special blended Asphalt Base	<65%	5 mg/m³	5 mg/m³	Ceiling of 10 mg/m³
Petroleum White Mineral Spirits	<22%	100 ppm	350 mg/m³	Max. 3hr. 1,800 mg/m³
Cellulose fibers / asbestos free	<7%	As dust	10 mg/m³	—
Plastic Solution / Powder (CAS # 9003-53-6)	<6%	As dust	10 mg/m³	—

SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	156°C (> 300°C / ≤ 450°F)	**Specific Gravity (H_2O =1):**	>1.0 (1.02 - 1.12)
Vapor Pressure (mm Hg & Temp):	ND (0.293 kPa at 20°C)	**Melting Point:**	ND
Vapor Density (Air =1):	ND	**Evaporation Rate (butyl acetate=1):**	ND
Solubility in Water:	Insoluble (Water: 0%, Acetone: ≈ g/100ml, Organic solvent: ≈ 100%)	**Water Reactive:**	None
Density:	8 - 9 lbs/gal	**Percent Solids:**	> 75%
VOC Content:	< 250 (≤ 250) g/l		
Appearance and Odor:	Dark color, viscous liquid / slurry, black paste, petroleum odor when stirred.		

SECTION 4: FIRE & EXPLOSION HAZARD DATA

Flash Point:	107°C (224.6°F)	**Auto Ignition Temp:**	204°C
Method Used:	NFPA	**Flammability Limits in Air:**	LEL: 0.9% UEL: 6.0%
Extinguisher Media:	Dry Chemical, Foam, Carbon Dioxide (CO_2), Water spray, Sand. Do not use a heavy water stream.		
Special Fire Fighting Procedures:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.		
Unusual Fire & Explosion Hazards:	Petroleum-based compounds can float on water. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form flammable/explosive vapour-air mixture. Upon combustion: CO and CO_2 are formed.		

SECTION 5: FIRST AID MEASURES

5.1. Description of First Aid Measures

First-aid measures general:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Get medical advice/attention if you feel unwell.
First-aid measures after inhalation:	Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

5.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/injuries:	There are potential chronic health effects to consider.
Symptoms/injuries after inhalation:	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause allergic skin reaction.
Symptoms/injuries after skin contact:	May cause an allergic skin reaction. May cause moderate irritation.
Symptoms/injuries after eye contact:	Eye irritation.
Chronic symptoms:	ON CONTINUOUS/REPEATED EXPOSURE/CONTACT.

5.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General measures: Absorb spillage to prevent material damage. Isolate from fire, if possible, without unnecessary risk. No flames, no sparks. Eliminate all sources of ignition. Remove ignition sources.

For non-emergency personnel:	*Protective equipment:* Protective clothing. Gloves. *Emergency procedures:* Evacuate unnecessary personnel.
For emergency responders:	*Protective equipment:* Equip cleanup crew with proper protection. *Emergency procedures:* Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and Material for Containment and Cleaning Up

For containment:	Collect spillage.
Methods for cleaning up:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for safe handling:	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Do not breathe fume, spray, vapours.
Handling temperature:	43°C
Hygiene measures:	Do not eat, drink or smoke when using this product. Wash Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work thoroughly after handling.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage conditions:	Keep only in the original container in a cool, well ventilated place away from: Keep container closed when not in use. Keep container closed when not in use.
Incompatible products:	Strong bases. Strong acids.
Incompatible materials:	Sources of ignition.
Storage temperature:	< 43°C
Heat and ignition sources:	KEEP SUBSTANCE AWAY FROM: ignition sources.

Prohibitions on mixed storage:	No data available.
Storage area:	Meet the legal requirements.
Special rules on packaging:	Keep only in original container. Meet the legal requirements. Store in a closed container. Correctly labelled.
Packaging materials:	No data available.

7.3. Specific End Use(s)

No additional information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control Parameters

Substance / Component	ACGIH TLV	OSHA PEL
Asphaltic bitumen, not cut back (8052-42-4)	5 mg/m³	5 mg/m³
Petroleum White Mineral Spirits (8052-41-3)	350 mg/m³	100 ppm
Attapulgite (12174-11-7)	Not applicable	Not applicable
Cellulose (9004-34-6)	10 mg/m³	As dust
Kaolin (1332-58-7)	Not applicable	Not applicable
Plastic Solution / Powder (9003-53-6)	10 mg/m³	As dust

8.2. Exposure Controls

Personal protective equipment:	Avoid all unnecessary exposure.
Materials for protective clothing:	PICM010.
Hand protection:	Wear protective gloves.
Eye protection:	Chemical goggles or safety glasses.
Skin and body protection:	Wear suitable protective clothing.
Respiratory protection:	Wear appropriate mask.
Other information:	Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical state:	Slurry	**Appearance:**	Black Paste
Colour:	Black	**Odour:**	Petroleum-like odour
Odour threshold:	No data available	**pH:**	No data available
Relative evaporation rate:	No data available	**Melting point:**	No data available
Freezing point:	No data available	**Boiling point:**	> 156°C (> 300 / ≤ 450 °F)
Flash point:	107°C (224.6°F)	**Auto-ignition temp:**	204°C
Decomposition temp:	No data available	**Flammability (solid, gas):**	No data available
Vapour pressure:	0.293 kPa at 20°C	**Relative vapour density (20°C):**	No data available
Relative density:	1.02 - 1.12	**Density:**	8 - 9 lbs/gal
Percent Solids:	> 75 %	**Solubility:**	Water: 0% Acetone: ≈ g/100ml Organic solvent: ≈ 100%
Log Pow:	No data available	**Log Kow:**	No data available
Viscosity, kinematic:	No data available	**Viscosity, dynamic:**	No data available
Explosive properties:	No data available	**Oxidising properties:**	No data available
Explosive limits:	LEL 0.9% - UEL 6.0% (No data available)		

9.2. Other Information

VOC content: < 250 (≤ 250) g/l

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Upon combustion: CO and CO_2 are formed.

10.2. Chemical stability: Not established.

10.3. Possibility of hazardous reactions: Not established.

10.4. Conditions to avoid: No flames, no sparks. Eliminate all sources of ignition. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials: Strong acids. Strong bases.

10.6. Hazardous decomposition products: fume. Carbon monoxide. Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute toxicity: Not classified (Lack of data)

asphaltic bitumen, not cut back (8052-42-4)	
LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)

cellulose (9004-34-6)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 6 mg/l/4h (Rat)

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: May cause genetic defects (Dermal, Inhalation).

Carcinogenicity: May cause cancer (Inhalation, Dermal!).

IARC Group Classification:

Substance	IARC Group
asphaltic bitumen, not cut back (8052-42-4)	3 - Not classifiable
attapulgite (12174-11-7)	2B - Possibly carcinogenic to humans, 3 - Not classifiable
Plastic Solution / Powder (CAS # 9003-53-6)	3 - Not classifiable

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Causes damage to organs (central nervous system, eye, Skin, lung, liver) through prolonged or repeated exposure (Dermal, Inhalation).

Aspiration hazard: Not classified

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.

Symptoms/injuries after skin contact: May cause an allergic skin reaction. May cause moderate irritation.

Symptoms/injuries after eye contact: Eye irritation.

Chronic symptoms: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

asphaltic bitumen, not cut back (8052-42-4)	
LC50 fish 1	> 1000 mg/l (96 h; Pisces)
LC50 other aquatic organisms 1	> 1000 mg/l (96 h)
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h)

cellulose (9004-34-6)	
LC50 fish 1	> 100 mg/l (Pisces)
EC50 Daphnia 1	> 100 mg/l (Invertebrata)
Threshold limit algae 1	> 100 mg/l (Algae)

12.2. Persistence and Degradability

Component / Material	Persistence and Degradability
Gator Grip Semi-Plastic Bitumen	Not established.
asphaltic bitumen, not cut back (8052-42-4)	Not readily biodegradable in water.
attapulgite (12174-11-7)	Biodegradability: not applicable. No (test)data on mobility of the substance available.
cellulose (9004-34-6)	Biodegradable in water.
kaolin (1332-58-7)	Biodegradability: not applicable.
Plastic Solution (CAS # 9003-53-6)	Biodegradability in water: no data available.

12.3. Bioaccumulative Potential

Component / Material	Bioaccumulative Potential
Gator Grip Semi-Plastic Bitumen	Not established.
asphaltic bitumen, not cut back (8052-42-4)	Log Pow: > 6 (Calculated) | Bioaccumulative potential: Not bioaccumulative.
attapulgite (12174-11-7)	No bioaccumulation data available.
cellulose (9004-34-6)	Bioaccumulation: not applicable.
kaolin (1332-58-7)	No bioaccumulation data available.
Petroleum White Mineral Spirits (8052-41-3)	Log Pow: 3.16 - 7.06
Plastic Solution (CAS # 9003-53-6)	No bioaccumulation data available.

12.4. Mobility in Soil

No additional information available.

12.5. Other Adverse Effects

Effect on global warming: No known ecological damage caused by this product.

Other information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Remove waste in accordance with local and/or national regulations.

Additional information: Industrial waste.

Ecology - waste materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In accordance with DOT / TDG / ADR / RID / ADNR / IMDG / ICAO / IATA

Department of Transportation (DOT) & TDG Classification

TDG Classification:	Tars, Liquid, Class 3, UN 1999 Packing Group III
Transport document description:	Combustible Liquid - DOT 49 CFR 173.150 SUB.PAR.F. Unregulated, III
UN-No.(DOT):	Combustible Liquid - DOT 49 CFR 173.150 SUB.PAR.F. Unregulated (UN 1999)
Packing group (DOT):	III - Minor Danger
Additional information:	No supplementary information available.

ADR / Sea / Air Transport

ADR:	No additional information available
Transport by sea:	No additional information available
Air transport:	No additional information available

SECTION 15: REGULATORY INFORMATION

15.1. US Federal & State Regulations / WHMIS Classification

WHMIS CLASSIFICATION:	Class B, Division 2 Flammable Liquids Class D, Division 2b, Materials Causing other toxic effects

TSCA & SARA Inventory Status

Substance	TSCA / SARA Status
asphaltic bitumen, not cut back (8052-42-4)	Listed on the United States TSCA Inventory
attapulgite (12174-11-7)	Not listed on the United States TSCA inventory
cellulose (9004-34-6)	Listed on the United States TSCA Inventory
kaolin (1332-58-7)	Listed on the United States TSCA Inventory
Petroleum White Mineral Spirits (8052-41-3)	Listed on the United States TSCA Inventory
Plastic Solution (CAS # 9003-53-6)	Listed / Regulated as applicable

15.2. International Regulations

CANADA: No additional information available

EU-Regulations: No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP] / Directive 67/548/EEC: Not classified

15.3. US State Regulations

Substance / Component	California Prop 65 Status	State Right-To-Know Lists
Gator Grip Semi-Plastic Bitumen	Prop 65 Carcinogens List: Yes Developmental Toxicity: No Reproductive Toxicity (Female/Male): No	—
attapulgite (12174-11-7)	Prop 65 Carcinogens List: Yes Developmental / Reproductive: No NSRL: No significance risk level	—
asphaltic bitumen (8052-42-4)	—	U.S. - New Jersey - Right to Know Hazardous Substance List
cellulose (9004-34-6)	—	U.S. - New Jersey - Right to Know Hazardous Substance List
kaolin (1332-58-7)	—	U.S. - New Jersey - Right to Know Hazardous Substance List
Petroleum White Mineral Spirits (8052-41-3)	—	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: OTHER INFORMATION

Full Text of H-Phrases:

Code	Description
Asp. Tox. 1	Aspiration hazard, Category 1

Code	Description
Carc. 1B	Carcinogenicity, Category 1B
Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Muta. 1B	Germ cell mutagenicity, Category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure

HMIS III Rating:

Health:	2 Moderate Hazard - Temporary or minor injury may occur
Flammability:	2 Moderate Hazard
Physical:	0 Minimal Hazard
Personal Protection:	p

Template Reference: ZLF-PMS 364 CUSTOM TEMPLATE
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