

City of Lincoln/Lancaster County (Lincoln Purchasing) Supplier Response

Bid Information		Contact Information		Ship to Information
Bid Creator	Rachelle Hinze Buyer	Address	Purchasing	Address
Email	rhinze@lincoln.ne.gov		440 S. 8th St.	
Phone	1 (402) 441-8313 x		Lincoln, NE 68508	
Fax	1 (402) 441-6513 x	Contact	Rachelle Hinze, Buyer	Contact
			Purchasing	
Bid Number	18-080	Department		Department
Title	Polypatch Applicator Rental and Mastic Pave Patch	Building		Building
			Suite 200	
Bid Type	Bid	Floor/Room		Floor/Room
Issue Date	4/17/2018 01:15 PM (CT)	Telephone		Telephone
Close Date	5/4/2018 12:00:00 PM (CT)	Fax		Fax
		Email	rhinze@lincoln.ne.gov	Email

Supplier Information

Company Maxwell Products, Inc.
 Address 650 S. DeLong St.
 SLC, UT 84104
 Contact Dave McIntosh
 Department
 Building
 Floor/Room
 Telephone (801) 972-2090
 Fax (801) 972-5536
 Email dave.m@maxwellproducts.com
 Submitted 5/1/2018 05:07:28 PM (CT)
 Total \$79,900.00

By submitting your response, you certify that you are authorized to represent and bind your company.

Signature Nicole Maxwell Email nicole@maxwellproducts.com

Supplier Notes

We are bidding with Maxwell Products GAP MOD 202 for the material. The rental kettle is a Marathon Mastic Mixer.

Bid Notes

"PLEASE NOTE YOUR COMPANY MAY HAVE BEEN ADDED TO THIS BID DUE TO YOUR COMPANY NOT UPDATING YOUR COMMODITIES".
 ALL VENDORS ARE STRONGLY ENCOURAGED TO UPDATE THEIR PROFILE AT THIS TIME TO ENSURE FUTURE NOTIFICATIONS OF BIDS AND QUOTES FOR THE CITY OF LINCOLN AND LANCASTER COUNTY.
 VENDORS SHOULD SELECT COMMODITIES AND SERVICES LISTED UNDER THE BOLD CATEGORIES IN ORDER TO RECEIVE BIDS AND QUOTES THAT ARE SPECIFIC TO YOUR BUSINESS.
 FOR ASSISTANCE CALL 402-441-8103

Bid Activities

Bid Messages

Bid Attributes

Please review the following and respond where necessary

#	Name	Note	Response
1	U.S. Citizenship Attestation	<p>Is your company legally considered an Individual or Sole Proprietor: YES or NO</p> <p>As a Vendor who is legally considered an Individual or a Sole Proprietor I hereby understand and agree to comply with the requirements of the United States Citizenship Attestation Form, available at: http://www.sos.ne.gov/business/notary/citizenforminfo.html</p> <p>All awarded Vendors who are legally considered an Individual or a Sole Proprietor must complete the form and submit it with contract documents at time of execution.</p> <p>If a Vendor indicates on such attestation form that he or she is a qualified alien, the Vendor agrees to provide the US Citizenship and Immigration Services documentation required to verify the Vendor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.</p> <p>Vendor further understands and agrees that lawful presence in the United States is required and the Vendor may be disqualified or the Contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. 4-108.</p>	YES
2	Bid Documents	<p>I acknowledge and accept that it is my responsibility as a Bidder to promptly notify the Purchasing Department Staff prior to the close of the bid of any ambiguity, inconsistency or error which I may discover upon examination of the bid documents including, but not limited to the Specifications.</p>	Yes
3	Instructions to Bidders	<p>I acknowledge reading and understanding the Instructions to Bidders.</p>	Yes
4	Insurance Requirements and Endorsements Vendors are strongly encouraged to forward this information to your insurance agent to determine if you need additional coverage on your policy and IF ADDITIONAL COST IS REQUIRED	<p>Vendor agrees to provide insurance coverage for each checked box on the Insurance Clause document in the Bid Attachments including the submission of the Certificate of ACORD and the applicable endorsements.</p> <p>Insurance Certificate and required Endorsements are required at time of contract execution by the vendor.</p> <p>Vendors are strongly encouraged to send the insurance requirements and endorsement information to their insurance agent prior to bid close in order to expedite the contract execution process.</p>	Yes
5	Sample Contract	<p>I acknowledge reading and understanding the sample contract.</p>	Yes

- 6 Term Clause of Contract I acknowledge that the term of the contract is for a one (1) (a) Yes (b) No year term with the option for three (3) additional one (1) year renewals from the date of the executed contract. (a) Are your bid prices firm for the first one (1) year contract period. YES or NO _____ (b) Are your bid prices subject to escalation/de-escalation YES or NO _____ (c) If (b), state period for which prices will remain firm: through _____
- 7 Rental Terms and Conditions Yes Vendors are asked to attach any and all terms and conditions related to the rental of the polypatch applicator to the Response Attachment section of the ebid response. Failure to provide terms and conditions shall mean the Vendor accepts the terms as provided by the bid documents.
- 8 PolyPatch Applicator Maintenance and or Repair (No Response Required) The City will not be responsible for any maintenance or repairs to the PolyPatch Applicator which will be rented. Vendor must repair/replace the PolyPatch Applicator the same day as requested by the City. The City will not pay for rental of PolyPatch Applicator which are not in operation due to repair/maintenance
- 9 Tax Exempt Certification Forms Yes Materials being purchased in this bid are tax exempt and unit prices are reflected as such. A Purchasing Agent Appointment form and a Exempt Sales Certificate form shall be issued with contract documents. (Note: State Tax Law does not provide for sales tax exemption for proprietary functions for government, thereby excluding the purchases of pipes to be installed in water lines and purchase of water meters.)
- 10 Purchase Order, Contract and Delivery Contact Dave McIntosh, Dave.m@maxwellproducts.com, 720-323-7777 The City/County Purchasing Department issues Purchase Orders and Contracts via email to a designated contact person of the awarded Vendor. This designee will be the primary contact with the department through the delivery of the product/services. Please list the name, email address and phone number of the person who will be the contact person for the PO to be awarded.
- 11 Delivery 14 days State number of delivery days ARO. FOB to the City/County at the location specified with all transportation charges paid.
- 12 Contact Nicole Maxwell Name of person submitting this bid:
- 13 Electronic Signature Yes Please check here for your electronic signature.

Line Items

#	Qty	UOM	Description	Response
1	12	EA	Polypatch Applicator Rental ONLY BID MONTHLY RATE	\$5,200.00

Item Notes: Lancaster County Engineer is interested in renting a trailer mounted, 2 Ton, Diesel Fueled Polypatch Applicator. The equipment will be rented on a monthly basis as needed for a period of one year. Vendor shall provide delivery and pickup of equipment. Vendor assumes all responsibility for repairs and maintenance of equipment being bid. County will not pay for days when equipment is out of service due to maintenance issues or any other problems with the operation of the equipment. Monthly rental price does NOT include price for material used in the equipment. Term of contract will be one year from date of execution. During that time the County Engineer will order the equipment as-needed in one month increments. In the event that an additional week is needed, the cost will be negotiated by the Vendor and Engineer office. The County guarantees no set number of rental months during the term of the contract.

Supplier Notes: \$5200.00 per month, our machine is the Marathon Mastic Mixer

2	35,000	Lbs	Right Pointe Black Pave Patch with Aggregate Finished Product Properties 1.7 Specific Gravity 350-400 degree recommended application temperature 400 degree maximum safe heating temperature. ONLY BID PER POUND!	\$0.50
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Item Notes: Vendor shall bid the following product which will be used in the trailer-mounted, polypatch applicator. Unit price shall include delivery. County prefers the brand and model listed. If bidding an alternate product you must indicate the brand and model number in the Supplier Notes section. Vendor must indicate the pack size and any minimum order requirements in the Supplier Notes section of their ebid response. Price must include delivery to location listed above.

Supplier Notes: We are bidding Maxwell Products Gap MOD 202 at \$0.50 per pound. Material comes in meltable Polyskin packaging weighing roughly 34 lbs per block.

Response Total: \$79,900.00

United States Citizenship Attestation Form

For the purpose of complying with Neb. Rev. Stat. §§ 4-108 through 4-114, I attest as follows:

I am a citizen of the United States.

— OR —

I am a qualified alien under the federal Immigration and Nationality Act, my Immigration status and alien number are as follows: _____, and I agree to provide a copy of my USCIS documentation upon request.

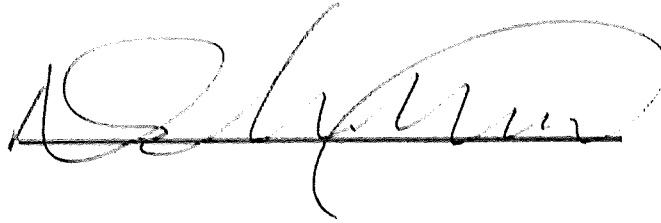
I hereby attest that my response and the information provided on this form and any related application for public benefits are true, complete, and accurate and I understand that this information may be used to verify my lawful presence in the United States.

PRINT NAME

Nicole Rock Wood Maxwell

(first, middle, last)

SIGNATURE



DATE

5-1-18

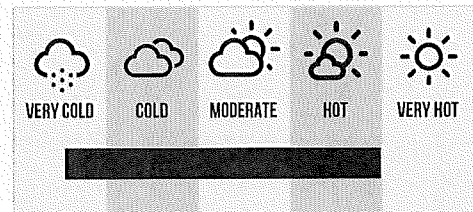
MAXWELL PRODUCTS

GAP MASTIC MOD 202

DATA SHEET

MAXWELL PRODUCTS, INC.
SALT LAKE CITY, UT
800.266.2090

GAP Mastic is a hot-applied, polymer modified asphalt mixed with engineered aggregates and modifiers designed to fill wide cracks and defects, to prevent water infiltration, and restore ride quality. GAP material is designed as a permanent repair solution for wide thermal cracks, fatigue cracking, rutting, and depressed, broken-up areas. It is also recommended for use around solid structures in flexible pavements like manholes, gutters, and drains.



SPECIFICATION

BINDER

TEST METHOD:

CONE PENETRATION : 77°F (25°C), 150G, 5S : ASTM D5329

SOFTENING POINT : ASTM D36

FLEXIBILITY : 1 IN (25MM) MANDREL, 90 DEG BEND, 2S : ASTM D3111

TENSILE ADHESION : 77°F (25°C) : ASTM D5329

RESILIENCE : 77°F (25°C) : ASTM D5329

RESULT:

70 DMM MAX

200°F (93°C) MIN

PASS - 10°F (-23°C)

600% MIN

35% MIN

AGGREGATE

TEST METHOD:

SIEVE ANALYSIS : NO. 4 SIEVE, PASSING : MANUFACTURER'S CERTIFICATION

SIEVE ANALYSIS : NO. 16 SIEVE, PASSING : MANUFACTURER'S CERTIFICATION

RESULT:

90% MIN

30% MAX

APPLICATION INSTRUCTIONS

Read and follow application instructions before use. This product must be heated using indirect heating methods, either a double boiler or hot oil circulating kettle. Equipment must be capable of maintaining constant agitation to the material to keep aggregate suspended evenly.

Maximum safe heating temperature: 400°F (204°C).

Recommended application temperature: 340°F (171°C).

WARRANTY

Maxwell Products, Inc. warrants that our products will be free from defects in material or workmanship and will conform to our published specifications at the time of shipment. In the event our products fail to conform to our published specifications at the time of shipment, we will, at our expense and sole option, replace our defective product or give you a full or partial refund of the purchase price from Maxwell Products. Claims must be made within three (3) months of the date of purchase. MAXWELL PRODUCTS HEREBY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

MAXWELL PRODUCTS

SAFETY DATA SHEET



GAP MASTIC

Manufacturer/Supplier:
Maxwell Products, Inc.
650 South Delong St.
Salt Lake City, UT 84104
Phone: 1.800.266.2090
Fax: 1.801.972.5536
www.maxwellproducts.com

Emergency telephone number:
Infotrac: 1-800-535-5053, 1-352-323-3500

2. HAZARD(S) IDENTIFICATION

HAZARDS EXEMPT WHEN IN BONDED FORM OR WHEN IT CANNOT BE RELEASED DUE TO CUTTING, GRINDING, HEATING, ETC.

Classification of the substance or mixture:

GHS08 Health hazard, Carc. 1B H350 May cause cancer,
GHS07, Skin Irrit. 2 H315 Causes skin irritation, Eye Irrit. 2B H320
Causes eye irritation.

Signal word: Danger

Hazard-determining components of labeling:

Asphalt
Distillates (petroleum), solvent-refined heavy naphthenic
Trade Secret(s)

Hazard statements:

Causes skin and eye irritation.
May cause cancer.

Precautionary statements:

Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection. (see section 8)
Read application instructions before use.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see section 4).
If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.
Dispose of contents/container in accordance with local/regional/national/International regulations

Hazards not otherwise classified (HNOC): None known.

Classification system:

NFPA ratings (scale 0 - 4)

 Health = 1
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)

 HEALTH 1 Health = 1
FIRE 1 Fire = 1
REACTIVITY 0 Reactivity = 0

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDS EXEMPT WHEN IN BONDED FORM OR WHEN IT CANNOT BE RELEASED DUE TO CUTTING, GRINDING, HEATING, ETC.

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions

Dangerous components:

8052-42-4	Asphalt - Flam liq. 3 H226, Carc. 2 H351, Skin Irrit. 2 H315, STOT SE 3 H335, Eye Irrit. 2B H320	10-50%
64741-96-4	Distillates (petroleum), solvent-refined heavy naphthenic - Carc. 1B H350	0-25%
	Aggregate - Carc. 1A H350, STOT RE 1 H372, Acute Tox. 4 H332, STOT SE 3 H335, Eye Irrit. 2B H320	30-70%
	Trade Secret(s) - Carc. 2 H351, Acute Tox. 4 H302, Skin Irrit. 2 H315, STOT SE 3 H335, Eye Irrit. 2B H320, Carc. 1B H350	

Additional information:

Trade Secret(s) made in accordance with paragraph (i) of §1910.1200 of 29 CFR 1910.1200, the OSHA Hazard Communication Standard.

4. FIRST AID MEASURES

After skin contact: Immediately wash with water and soap and rinse thoroughly. Consult a doctor if needed.

After inhalation: If irritation occurs, remove to fresh air. Consult a doctor if needed.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor

After swallowing: Immediately consult a doctor

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters:

Protective equipment: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Not required.

Environmental precautions: Do not allow to enter sewers or ground water.

Methods and material for containment and cleaning up: Dispose of collected material according to regulations.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING & STORAGE

Precautions for safe handling: No special requirements.

Storage: No special requirements.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with occupational exposure limits:

	8052-42-4 Asphalt
REL	Short-term value: C 5* mg/m ³ *15-min; See Pocket Guide App. A
TLV	Long-term value: 0.5* mg/m ³ *inh. fraction; as benzene-soluble aerosol; BEIp
Aggregate	
PEL	See Quartz listing
REL	Long-term value: 0.05* mg/m ³ *respirable dust - see pocket guide App. A
TLV	Long-term value: 0.025* mg/m ³ *as respirable fraction
Trade Secret(s)	
PEL	Long-term value: 20 mppcf ppm (containing <1% Quartz)
REL	Long-term value: 2* mg/m ³ *respirable dust
TLV	Long-term value: 2* mg/m ³ *as respirable fraction; E
STEL	Short-term value: 10 mg/m ³
TWA	Short-term value: 10 mg/m ³
PEL	Short-term value: 5 mg/m ³
PEL	Long-term value: 15 mg/m ³

Ingredients with biological limit values:

	8052-42-4 Asphalt
BEI	- urine end of shift at end of workweek 1-Hydroxypyrene with hydrolysis (non-quantitative)

Additional Information: The lists that were valid during the creation of this SDS were used as basis.

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Breathing equipment: Not required.

Protection of hands: Leather gloves suggested.

Safety equipment required for application.

Read and understand application instructions before use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form: Solid
 Color: Brown/Black

Odor: Petrol Like

pH Value: Not applicable

Change in condition:

Melting point/melting range: 175°-250° F (79°-121° C)

Boiling point/boiling range: 599° F (315° C)

Flash Point: >430° F (>221° C)

Flammability (solid, gaseous): Not determined

Ignition Temperature: >700° F (>371° C)

Decomposition Temperature: Not determined

Auto igniting: Product is not self igniting

Danger of Explosion: Product does not present an explosion hazard

Explosion Limits:

Lower: Not determined

Upper: Not determined

Vapor Pressure: Not applicable

Density @ 68° F (20° C): Specific gravity 1.2 - 2.0

Relative Density: Not determined

Vapor Density: Not applicable

Evaporation Rate: Not applicable

Solubility in / Miscibility with:

water @ 68° F (20° C): < 0.0001 g/l

Partition coefficient (n-octanol/water): Not determined

Viscosity:

Dynamic: Not applicable

Kinematic: Not applicable

10. STABILITY AND REACTIVITY

Reactivity: No relevant information available.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION

▲ HAZARDS EXEMPT WHEN IN BONDED FORM OR WHEN IT CANNOT BE RELEASED DUE TO CUTTING, GRINDING, HEATING, ETC.

Acute toxicity:

LD/LC50 values that are relevant for classification: Trade Secret(s)

Inhalative	LC50/96h	1033 mg/l (trout)
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LD/LC50 values that are relevant for classification: Trade Secret(s)

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4h	>5 mg/l (rat)

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Irritating effect. Causes serious eye irritation.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant, Carcinogenic

IARC (International Agency for Research on Cancer

"In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its

polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicate dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled"

8052-42-4	Asphalt	2b
	Aggregate	1
	Trade Secret(s)	2a, 2b, 3

NTP (National Toxicology Program):

	Aggregate	K
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OSHA-Ca (Occupational Safety and Health Administration):

None of the ingredients are listed.

12. ECOLOGICAL INFORMATION

Aquatic toxicity:

	Aggregate
EC50	218 mg/l (green algae)

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

- Water hazard class 3 (Self-assessment): extremely hazardous for water

- Do not allow product to reach ground water, water course or sewage system, even in small quantities.

- Danger to drinking water if even extremely small quantities leak into the ground.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

- Must not be disposed of together with household garbage.

- Do not allow product to reach sewage system.

Uncleaned packagings: Dispose according to official regulations

14. TRANSPORT INFORMATION

UN-Number:

DOT, ADR, ADN, IMDG, IATA..... Non-regulated Material

UN proper shipping name DOT, ADR, ADN, IMDG, IATA..... Non-regulated Material

Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class..... Non-regulated Material

Packing group DOT, ADR, IMDG, IATA Non-regulated Material

Environmental hazards Not Applicable

Special precautions for user Not Applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not Applicable

UN "Model Regulation": Non-regulated Material

15. REGULATORY INFORMATION

▲ HAZARDS EXEMPT WHEN IN BONDED FORM OR WHEN IT CANNOT BE RELEASED DUE TO CUTTING, GRINDING, HEATING, ETC.

Sara:

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

8052-42-4	Asphalt
64741-96-4	Distillates (petroleum), solvent-refined heavy naphthenic
	Aggregate
	Trade Secret(s)

Proposition 65:

Chemicals known to cause cancer:

	Aggregate
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Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Carcinogenic Categories:

EPA (Environmental Protection Agency): None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH):

8052-42-4	Asphalt	A4
	Aggregate	A2
	Trade Secret(s)	A4

NIOSH-Ca (National Institute for Occupational Safety and Health)

8052-42-4	Asphalt
	Aggregate

Signal word: Danger**Hazard-determining components of labeling:**

Asphalt

Distillates (petroleum), solvent-refined heavy naphthenic

Aggregate

Trade Secret(s)

Hazard statements: Causes skin and eye irritation, May cause cancer.**Precautionary statements:**

Do not handle until all safety precautions have been read and understood.

Read application instructions before use.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

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

National regulations: The product is subject to be classified according with the latest version of the regulations on hazardous substances.**State Right to Know:**

8052-42-4	Asphalt - Flam liq. 3 H226, Carc. 2 H351, Skin Irrit. 2 H315, STOT SE 3 H335, Eye Irrit. 2B H320	10-50%
64741-96-4	Distillates (petroleum), solvent-refined heavy naphthenic - Carc. 1B H350	0-25%
	Aggregate - Carc. 1A H350, STOT RE 1 H372, Acute Tox. 4 H332, STOT SE 3 H335, Eye Irrit. 2B H320	30-70%
	Trade Secret(s) - Carc. 2 H351, Acute Tox. 4 H302, Skin Irrit. 2 H315, STOT SE 3 H335, Eye Irrit. 2B H320, Carc. 1B H350	

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**16. OTHER INFORMATION**

This information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any other particular purpose.

Date of preparation / last revision: 07-21-2015 / 5**Abbreviations and acronyms:****ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Road**ADN:** European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways**IMDG:** International Maritime Code for Dangerous Goods**DOT:** US Department of Transportation**IATA:** International Air Transport Association**ACGIH:** American Conference of Governmental Industrial Hygienists**EINECS:** European Inventory of Existing Commercial Chemical Substances**ELINCS:** European List of Notified Chemical Substances**CAS:** Chemical Abstracts Service (division of the American Chemical Society)**NFPA:** National Fire Protection Association (USA)**HMIS:** Hazardous Materials Identification System (USA)**LC50:** Lethal concentration, 50 percent**LD50:** Lethal dose, 50 percent**PBT:** Persistent, Bioaccumulative and Toxic**vPvB:** Very Persistent and Very Bioaccumulative**Flam. Liq. 3:** Flammable Liquids Hazard Category 3**Acute Tox. 4:** Acute toxicity, Hazard Category 4**Skin Irrit. 2:** Skin corrosion/irritation, Hazard Category 2**Eye Irrit. 2B:** Serious eye damage/irritation, Hazard Category 2B**Carc. 1A:** Carcinogenicity, Hazard Category 1A**Carc. 1B:** Carcinogenicity, Hazard Category 1B**Carc. 2:** Carcinogenicity, Hazard Category 2**STOT SE 3:** Specific target organ toxicity - Single exposure, Hazard Category 3**STOT RE 1:** Specific target organ toxicity - Repeated exposure, Hazard Category 1

GAP MASTIC

Application Instructions



Description:

Gap is a hot-applied polymer modified asphalt binder combined with specially engineered aggregates and modifiers designed to fill wide cracks and potholes to prevent water infiltration and restore ride quality. It is formulated with a low viscosity for ease of installation and enhanced crack penetration. This material is extremely flexible, which enables it to perform exceptionally well in cold weather, yet also has a high softening point so it will not track or rut with traffic.

Applicable Uses:

Maxwell Products Gap materials are designed specifically for the repair of wide thermal cracks, pot holes, rutting and depressed broken-up areas in asphalt and concrete pavement surfaces; also for use around solid structures in flexible pavement like manholes, gutters, and drains. When applied properly as per the instructions below, Gap creates a load bearing, weather resistant, durable bond; sealing distressed areas and resulting in a long-term maintenance solution to otherwise unmanageable pavement problems.

Melting:

The material shall be melted using a manufactured applicator specifically designed for the melting, heating, and application of modified polymerized asphalt sealants with aggregate. Melter agitator must be capable of keeping aggregate evenly suspended in heated material. Place Gap material in the applicator, and melt by heating the transfer oils to temperatures of 450°F - 525°F. Overnight heating elements available on some applicators may expedite material heat-up. Begin agitation when material has melted sufficiently for the agitator to turn, and continue heating until material temperatures meet the recommended application temperatures. Continue agitation as material is applied. To increase efficiency add fresh material continuously at the rate material is dispensed.

CAUTION: do not add material while agitation is in progress. Stop agitator before adding material.

Pavement Temperatures:

At the time of placing the sealant, the pavement temperature should be a minimum of 40°F. Application at lower temperatures may result in less adhesion due to the possible presence of excess moisture. If the surface temperature is less than 40°F, and the sealant must be applied, a heat lance or other appropriate means can be used to warm and dry the asphalt. Use of a heat lance on Portland concrete surfaces is not recommended. In all cases, care should be taken to insure the cracks are clean and dry so that the necessary adhesion is obtained.

Procedures:

Cracks and distressed areas should be opened to a minimum width of 1 inch and a minimum depth of 1 inch, which is necessary to provide an adequate reservoir for the sealant, allowing for expansion and contraction of the surface and crack. Although not required, milling or routing to a depth of 1 inch with a breadth of 4 inches to 10 inches across cracks may improve bonding, enhance ride smoothness, and create a clean finished appearance. A variety of equipment including routers, random crack saws, milling equipment, and power brushes can be used to open up and clean cracks. Care should be taken to insure that bonding surfaces are free of oil, dirt, dust, moisture, and any other contaminants that would inhibit good bonding of the sealant to the asphalt. To maximize adhesion, spray the repair area with a thin coating of Gap primer using a solvent resistant weed sprayer. (Gap material should be applied at least 6 inches beyond the repair area.) All weeds should be removed and cracks sterilized, if necessary, to prevent weed growth through the sealant.

In areas that do not have a build-up of oil, dirt, or other residue, preparation may be accomplished by using high-powered, oil-free compressed air or a heat lance. When using a heat lance, care should be taken that the asphalt is not overheated, causing excessive separation of the asphalt and aggregate.

Gap materials should be applied to distressed areas spanning voids of no more than 12 inches in width or diameter and 4 inches in depth. Skin patches and alligator repairs should not be applied in the event that deterioration is so great that reconstruction is the more cost effective solution.

The above specifications should be viewed as a guideline and may be modified according to unique project specifications.



SAFETY PRECAUTIONS

The following safety precautions should be taken to prevent injury when working with Gap.

1. Always wear gloves with wristlets and proper clothing that will cover arms and legs.
2. Wear safety glasses or goggles to protect the eyes.
3. Only use tools approved for applying Gap.
4. Take care when loading the melter. Turn off the agitation and only introduce blocks into the melter in a manner that will prevent splashing of the sealant onto the operator.
5. Take care to avoid breathing the sealant fumes.
6. Use proper traffic control procedures to provide adequate safety from moving vehicle traffic when applying Gap on roads and highways, or other areas exposed to vehicle or aircraft traffic.
7. Use measures meeting or exceeding local regulatory requirements to prevent pedestrian or other traffic from gaining access to the work area while sealant is still in the uncured or molten state.

HANDLING OF MATERIALS

Care should be taken when placing blocks of sealant into the melter to make sure hot melted sealant from inside the melter does not splash on the operator. **CAUTION: do not add material while agitation is in progress. Stop agitator before adding material.**

POT LIFE OF SEALANT

Gap has been developed using the latest technology allowing an extended pot life at application temperature. When the sealant is being drawn out of the melter during the application process, care should be taken to maintain the pouring temperature especially when adding new sealant to the melter. The sealant may be reheated after initial heat-up if new blocks of sealant are added during the heat-up process.

If sealant has been overheated or exceeded the pot life it may get stringy and begin to gel. At this point the material should be removed from the melter and discarded.

EQUIPMENT CLEAN UP

Follow the melter manufacturer's guidelines for properly cleaning your equipment after each use of the machine, making sure all flames are extinguished before starting the clean up procedure. The sealant can be cleaned from equipment with petroleum-based or citrus-based solvents. Caution should be taken that the solvent does not contaminate the sealant. Solvents must be disposed of in accordance with federal, state, and local laws and guidelines.

STORAGE OF SEALANT

Gap sealants are shipped in waterproof PolySkin™ containers allowing for worry free storage. Pallets should be kept wrapped until used and should not be left in the sun for long periods of time. If pallets are to be stored for a period of time greater than six months, it is recommended that they be covered with a tarp to prevent damage to packaging from UV Exposure.

For more information please contact Maxwell Products.

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Web: www.maxwellproducts.com

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650 DeLong Street (2350 W.)
Salt Lake City, UT 84104

GAP MASTIC

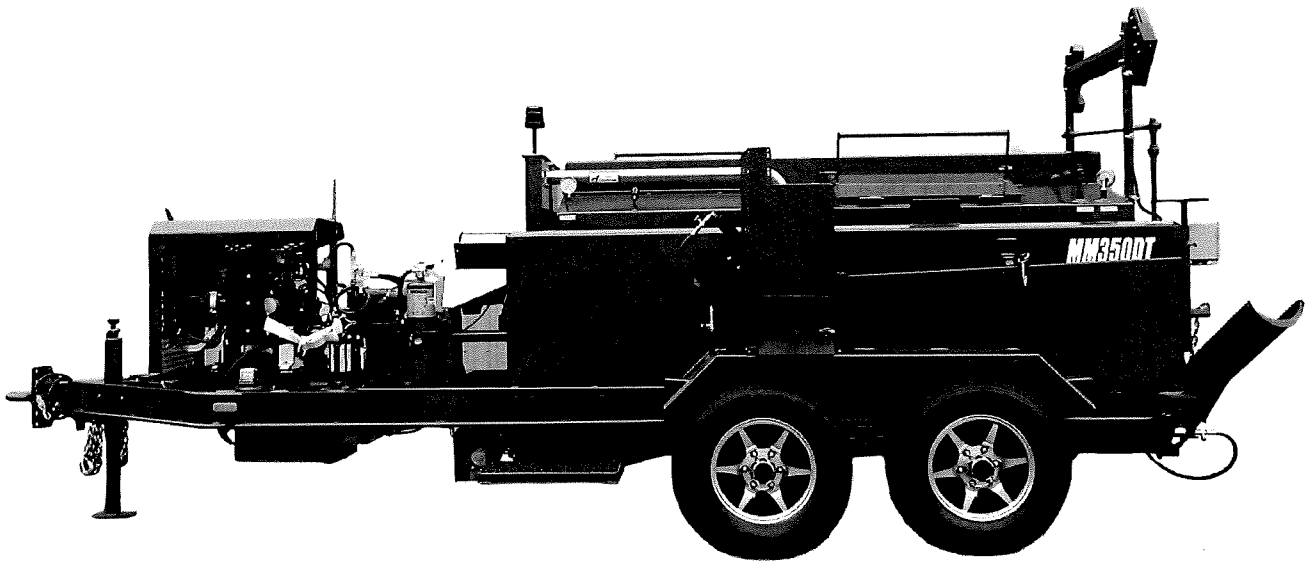
Application Instructions

 **Maxwell**
PRODUCTS INCORPORATED

Marathon

SPECIFICATIONS

Mastic Mixers are only part of the equipment Marathon produces for road maintenance. Contact us for the name of your closest distributor, or for information on our complete line, visit our website at: www.marathonequipmentinc.com



*MAY BE SHOWN WITH OPTIONAL EQUIPMENT

MM350DT

MASTIC

MIXER

Designed to mix mastic repair and bridge joint materials. Heavy duty construction allows mixing of heavy material mixed with aggregate. Diesel and propane models available in 120, 250 and 350 gallon capacities.

FEATURES & BENEFITS

Body

- Minimum 10 gauge material construction.
- Heavy gauge steel construction for material and oil vats.
- Elongated material and oil vat providing a large heating surface area.
- Low loading height for operator safety.
- Dual, reverse load, anti-splash doors provide ease of material distribution in material vat.
- Thick insulation retains heat to minimize heat loss.
- Large volume of heat transfer oil to improve heat retention.
- Material and oil thermometers.
- 6" diameter rear discharge port with guillotine dispensing gate.
- 10lb fire extinguisher.
- Epoxy primer prior to top coat finish.

Heating System

- Dual diesel burners with remote mounted, solid state controls, with diagnostic capabilities.
- Standard automatic temperature control for both material and oil bath.
- Dual digital thermostats – for oil and material ensure precise control and show actual temperatures.
- Burner flame out protection.
- Unique ceramic lined heating chamber, with *Inconel* heat deflection.
- Dual 1500W electric heaters.
- Auxiliary 200,000 BTU hand held torch mounted at rear, complete with propane bottle holder.
- Propane fired tool heater.

Trailer

- 6" channel steel construction.
- All stress points gusseted with ¼" steel plate.
- Heavy duty slipper spring construction with tandem drop axles to reduce center of gravity for safer towing.
- 3" adjustable pintle hook.
- LED lights.
- Heavy duty top wind jack.
- Electric breakaway switch with battery.
- Dual electric brakes.

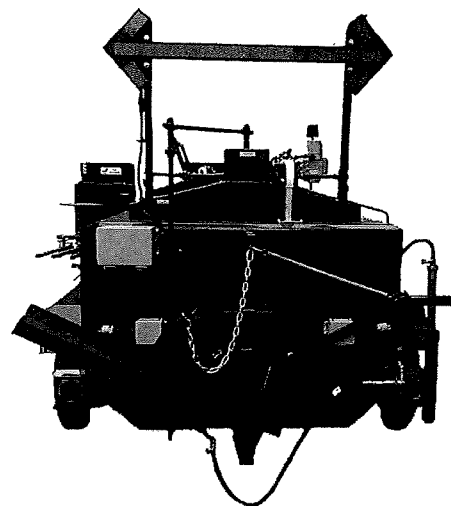
Options

- Heated square shoveling platform.
- 12" steel flat squeegee.
- 18" steel "U" squeegee.
- Hydraulic surge brakes.
- Burner indicator light.
- Amber strobe light.
- 2" or 3" sealant pouring spout.
- Customer's choice of standard paint colour.
- Heated chute
- Hydraulic discharge gate.
- Spare tire & rim.

MODELS	MM350DT
Shipping Weight	7,146lbs (3241kg)
Dimensions	
Overall Length	222" (564cm)
Overall Width	80" (203cm)
Overall Height	70" (178cm)
Loading Height	57" (145cm)
Delivery Chute Height	23" (58.4cm)
Capacities	
Material Vat	350 gal (1323 L)
Heat Transfer Oil	58 gal (219 L)
Diesel Fuel Tank	28 gal (105L)
Hydraulic Oil Tank	14 gal (53L)
Engine	23hp liquid cooled, electric Start, Kohler diesel
Burner	Two 340,000 BTU Diesel burners
Suspension	Tandem
Axle(s)	Capacity
	14,000bs (6349kg)
Tires – size	(4) 235/80/R16
*specifications subject to change without notice	

Agitation

- Six blade, bi-directional, variable speed agitator provides excellent material mixing, keeping aggregate in suspension.
- Agitator blades are gusseted for strength.
- Progressively pitched blades allow the operator to control discharge speed at the gate.
- High torque agitator provides fast mixing of material.
- Agitator stops rotating when either of the loading doors are opened.



**shown with optional equipment*



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