

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)****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	
REL	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)	
REL	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
REL	Short-term value: 5 mg/m ³
REL	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)

Appropriate engineering controls:

Use only outdoors or in a well-ventillated area.

Safety equipment required for application:

- **Eye/face protection:** Wear safety glasses, chemical goggles (if splashing is possible), face shield (if handling molten material).
- **Skin protection:** Wear proper clothing that will cover arms and legs. When needed, use gloves with insulation for thermal protection.
- **Respiratory protection:** If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

General protective and hygienic measures:

Keep away from foodstuffs, beverages, and food.

Wash hands before breaks and at the end of work.

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

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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%
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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