



Product Safety and Health Information Sheet*

Material Name: Raft-R-Mate®

PSHISNo.: 15-MSD- 24899-01-A

*** Section 1 - Chemical Product and Company Identification ***

Product Name(s): Raft-R-Mate®

Owens Corning
One Owens Corning Parkway, World Headquarters
Attn. Product Stewardship
Toledo, OH 43659, USA

Emergency Contacts:

Emergencies ONLY (after 5pm ET and weekends): 1-419-248-5330,
CHEMTREC (24 hours everyday): 1-800-424-9300,
CANUTEC (Canada - 24 hours everyday): 1-613-996-6666.

Health and Technical Contacts:

Health Issues Information (8am-5pm ET): 1-800-GET-PINK,
Technical Product Information (8am-5pm ET): 1-800-GET-PINK.

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent by Wt.
9003-53-6	Polystyrene	80-100
106-97-8	Butane	4-7

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Nuisance particulates.

Component Information/Information on Non-Hazardous Components

Owens Corning has determined that this product is not regulated under the U.S. Occupational Health and Safety Administration (OSHA) Hazard Communication Standard because these materials meet the 29CFR1910.1200(b)(6)(v) definition of an article: "...a manufactured item other than a fluid particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than a very small quantities, e.g., minute or trace amounts, of a hazardous chemical (as determined by paragraph (d) of this section) and does not pose a physical hazard or health risk to employees."

*** Section 3 - Hazards Identification ***

Appearance and Odor: Pink, closed- cell, odorless foam form with slight plastic odor.

Emergency Overview

No unusual conditions are expected from this product.

Potential Health Effects

Inhalation:

None expected during normal use. Vapors may be released when the product is exposed to high temperatures. These vapors may cause coughing, shortness of breath, dizziness and intoxication.



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Skin Contact:

Dust from this product may cause temporary mechanical irritation. Contact with molten or heated product may cause severe burns.

Eye Contact:

This product may cause temporary mechanical irritation to the eyes. Vapors may be released when the product is exposed to high temperatures. These vapors may cause irritation, pain, blinking, tears or redness.

Ingestion:

Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

Medical Conditions Aggravated by Exposure:

Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.

* * * Section 4 - First Aid Measures * * *

Inhalation:

If dust or vapors are inhaled, immediately remove the affected person to fresh air. If symptoms persist, get medical attention.

Skin Contact:

If product comes in contact with skin, wash with mild soap and running water. Flush with lukewarm water for 15 minutes. If product is sticky, use waterless cleanser first. If irritation persists get medical attention.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

Ingestion:

Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point: Not applicable
Upper Flammability Limit: Not applicable
Flammability Classification: Non-flammable

Flash Point Method: Not applicable
Lower Flammability Limit: Not applicable
Auto Ignition Temp.: Not applicable

Extinguishing Media:

Water spray, fog or regular foam.

Unusual Fire & Explosion Hazards:

Produces dense black smoke while burning. May burn rapidly with flare burning effect and may reignite after fire is extinguished.

Fire-Fighting Instructions:

Use self-contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire.



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Hazardous Combustion Products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

*** Section 6 - Accidental Release Measures ***

Clean-Up Procedures:

Scoop up material and put into a suitable container for disposal as a non-hazardous waste.

*** Section 7 - Handling and Storage ***

Handling Procedures:

No special procedures are required for this material.

Storage Procedures:

Store in a well ventilated area. Avoid sources of heat and direct sunlight.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

ACGIH and OSHA exposure limit lists have been checked for those components with CAS registry numbers.

Polystyrene (9003-53-6)

ACGIH: 10 mg/m³ TWA (inhalable particulate); 3 mg/m³ TWA (respirable particulate) (These values are for particulate matter containing no asbestos and <1% crystalline silica) (related to Particulates not otherwise classified (PNOC))

OSHA: total dust: 15 mg/m³ TWA; respirable fraction: 5 mg/m³ TWA (related to Particulates not otherwise regulated)

Butane (106-97-8)

ACGIH: 800 ppm TWA

OSHA: 800 ppm TWA; 1900 mg/m³ (vacated PELs)

Ventilation:

Provide sufficient general and/or local exhaust ventilation to maintain exposures below the PELs or TLVs.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection:

A properly fitted NIOSH approved disposable N 95 series dust respirator such as the 3M model 8210 (8271 in high humidity environments) or equivalent should be used when exposures exceed the PELs or TLVs. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.

Skin Protection:

Normal work clothing (long sleeved shirts, long pants and gloves) is recommended.

Eyes/Face Protective Equipment:

Wear safety glasses.



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*** Section 9 - Physical & Chemical Properties ***

Appearance:	Pink, closed cell foam board	Odor:	Slight plastic
Physical State:	Solid	pH:	Not applicable
Vapor Pressure (mm Hg @ 20 C):	Not applicable	Vapor Density (Air=1):	Not applicable
Boiling Point:	Not available	Melting Point:	240°-270° F (115°-137°C)
Solubility (H2O):	Negligible	Specific Gravity (Water=1):	0.027-0.064
Softening Point:	Begins to soften at ~ 220°F (104°C)	Evaporation Rate (n-Butyl Acetate=1):	Not applicable

Physical Properties: Additional Information

No additional information available.

*** Section 10 - Chemical Stability & Reactivity Information ***

Stability:

This is a stable material.

Conditions to Avoid:

Avoid dispersion of dust in air. Keep away from heat, ignition sources, flames and oxidizing agents.

Incompatible Materials:

Strong oxidizing agents and combustible materials.

Hazardous Decomposition Products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization:

Will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity:

A: General Product Information

Dusts from this product may cause mechanical irritation to the eyes and skin. Vapors from heated or molten product may cause coughing, shortness of breath, dizziness, intoxication, eye irritation and pain, eye tearing and blinking, and redness of the eye. Skin contact with molten or heated product may cause severe burns.

Carcinogenicity:

A: General Product Information

There are no known chronic health effects connected with long-term use or contact with these products.

B: Component Carcinogenicity

ACGIH, IARC, OSHA, and NTP carcinogen lists have been checked for those components with CAS registry numbers.

Polystyrene (9003-53-6)

IARC: Supplement 7, 1987; Monograph 19, 1979 (Group 3 (not classifiable))



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*** Section 12 - Ecological Information ***

This material is not expected to cause harm to animals, plants or fish.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions:

A: General Product Information

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

Not regulated for transport.

*** Section 15 - Regulatory Information ***

US Federal Regulations:

A: General Product Information

No information available for the product.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

C: Clean Air Act

None of this product's components are listed on the Clean Air Act-1990 Hazardous Air Pollutants List.

State Regulations:

A: General Product Information

No additional information available.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Butane	106-97-8	Yes	No	Yes	Yes	Yes	Yes

Other Regulations:

A: General Product Information

No additional information available.



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B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Polystyrene	9003-53-6	Yes	Yes	No
Butane	106-97-8	Yes	Yes	Yes

*** Section 16 - Other Information ***

HMIS and NFPA Hazard Ratings:	Category	HMIS	NFPA
	Acute Health	0	0
	Flammability	1	1
	Reactivity	0	0

NFPA Unusual Hazards None

HMIS Personal Protection To be supplied by user depending upon use.

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

Key/Legend:

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act; DSL = Canadian Domestic Substance List; EINECS = European Inventory of New and Existing Chemical Substances; WHMIS = Workplace Hazardous Materials Information System; CAA = Clean Air Act

Revision Summary:

This PSHIS replaces 15-MSD-24899-01 with administrative changes and a formulation change. Read this information carefully.

Get OC PSHIS electronically via Internet: <http://owenscorning.com> or by calling 1-800-GET-PINK.

This is the end of PSHIS # 15-MSD-24899-01-A