

SAFETY DATA SHEET

RAPP-IT STEEL PUTTY 90MM

Infosafe No.: LQ5PY

Version No.: 2.0

ISSUED Date : 08/05/2019

ISSUED by: PIPE REPAIR INTERNATIONAL

1. IDENTIFICATION

GHS Product Identifier

RAPP-IT STEEL PUTTY 90MM

Company Name

PIPE REPAIR INTERNATIONAL Business Registration No. 81 827 349 692)

Address

12/14 ARGYLE STREET ALBION
QLD 4010 Australia

Telephone/Fax Number

Telephone: +61 7 3262 3755 Fax number: +61 7 3262 3255

Emergency phone number

INFOTRAC 24/7 Emergency response contact phone numbers

1-800-535-5053 (free call from USA and Canada)

1-352-323-3500 (outside USA and Canada)

01-800-681-1530 (Mexico - local charges apply)

Recommended use of the chemical and restrictions on use

Adhesives, Sealants.

Manufacturer Information

MARINE & INDUSTRIAL MARKETING

12/14 Argyle Street, Albion

QUEENSLAND 4010 AUSTRALIA

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin Corrosion/Irritation: Category 2

Eye Damage/Irritation: Category 2

Sensitization - Skin: Category 1

Signal Word (s)

WARNING

Hazard Statement (s)

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

Pictogram (s)

Exclamation mark



Precautionary statement – Prevention

Avoid breathing dust. Wash hands and contaminated skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Precautionary statement – Disposal

Dispose of contents/container to an approved waste disposal plant.

Other Information

No exposure to free respirable silica is anticipated during normal use of this product. During cutting or demolition operations crystalline silica may become available for breathing.

HMIS rating:

Health Hazards: 2

Flammability: 0

Physical hazard: 0

Personal Protective Equipment: X

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	EINECS	Proportion
Talc	14807-96-6	238-877-9	30-60 %
Glass, oxide, chemicals	65997-17-3	266-046-0	10-30 %
Epichlorohydrin, bisphenol A resin	25068-38-6	500-033-5	10-<25 %
Quartz [Silica Crystalline]	14808-60-7	238-878-4	0.1-1 %
Ingredients determined not to be hazardous			Balance

Other Information

Fibreglass type: Continuous filament glass fibers (E-type).

Quartz [Silica Crystalline]: Non-respirable

This product contains non-respirable crystalline silica and talc, which are embedded in an impervious polymer matrix. No exposure to free respirable silica is anticipated during normal use of this product.

4. FIRST-AID MEASURES

Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use appropriate fire extinguisher for surrounding environment.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including oxides of sulphur, halogenated compounds, metal oxides, carbon monoxide, carbon dioxide and oxides of nitrogen.

Specific Hazards Arising From The Chemical

This product is non combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.

Decomposition Temperature

>302°F (>150°C)

Precautions in connection with Fire

Isolate the area. No action shall be taken involving any personal risk or without suitable training. Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

Other Information

NFPA rating:

Health Hazards: 2

Flammability: 0

Instability: 0

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

No action shall be taken involving any personal risk or without suitable training. Increase ventilation. Evacuate all unprotected personnel. Do not touch or walk through spilled material. Wear sufficient respiratory protection and full protective clothing to prevent exposure. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid exposure to spillage by sweeping up material avoiding dust generation - dampen spilled material with water if suitable to avoid airborne dust, OR where possible use dustless methods such as vacuum to collect the material; then transfer material in to suitable labelled containers for subsequent recycling or disposal. Keep containers tightly closed. Wash surfaces well with soap and water. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Recommended Materials - Filter type: High-efficiency particulate air (HEPA) filter

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid inhalation of dust, and skin or eye contact. Do not ingest. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Empty containers may contain hazardous residues. Do not re-use container.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Keep only in original container. Do not store in unlabelled containers. Keep containers tightly closed. Store away from incompatible materials. Keep away from food, drink and animal feeding stuffs. In order to prevent spillages, always ensure that these containers are stored and transported in upright position. Ensure that storage conditions comply with applicable local and national regulations. Use appropriate containment (of product and fire fighting water) to avoid environmental contamination.

Storage Temperatures

Store below 95°F (35°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Continuous filament glass fibers	ACGIH	TWA	5	mg/m ³	(inhalable particulate matter), 1 f/cc (respirable fibers), A4, URT irr
Glass wool fibers, Rock wool fibers, Slag wool fibers, Special purpose glass fibers	ACGIH	TWA	-	mg/m ³	1 f/cc (respirable fibers), A3, Skin & mucous membrane irr.
Refractory ceramic fibers	ACGIH	TWA	-	mg/m ³	0.2 f/cc (respirable fibers), A2, Pulm fibrosis; pulm func
Quartz [Silica Crystalline]	ACGIH	TWA	0.025	mg/m ³	(respirable fraction), A2, Pulm fibrosis; lung cancer
Talc	ACGIH	TWA	2	mg/m ³	(respirable), A4, Pulm fibrosis; pulm func (containing no asbestos fibres)
Quartz (Respirable)	OSHA	TWA	0.05	mg/m ³	10 mg/m ³ /(%SiO ₂ +2), 250/(%SiO ₂ +5) mppcf
Quartz (Total Dust)	OSHA	TWA	30	mg/m ³	/(%SiO ₂ +2)
Talc (not containing asbestos)	OSHA	TWA	-	mg/m ³	20 mppcf

Biological Limit Values

No biological limits allocated.

Appropriate Engineering Controls

Use with good general ventilation. However, if dust formation occurs after completion of application and/or during mechanical machining for removal or refinishing (for example, sawing, drilling, grinding etc.), occupational regulations have to be considered. This substance is hazardous and should be used with a local exhaust ventilation system, drawing dust/vapor away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/vapor filter should be used.

Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Solid

Appearance

Grey, Black [Dark] solid

Color

Grey, Black [Dark]

Odor

Sulfurous. Pungent. [Strong]

Decomposition Temperature

>302°F (>150°C)

Melting Point

Not available

Boiling Point

Not available

Solubility in Water

Insoluble in the following materials: cold water and hot water.

Solubility in Organic Solvents

Partially soluble in the following materials: methanol, diethyl ether, n-octanol and acetone.

Specific Gravity

2.25

pH

Not applicable

Vapor Pressure

Not available

Vapor Density (Air=1)

Not available

Evaporation Rate

Not applicable

Odor Threshold

Not available

Viscosity

Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity

Partition Coefficient: n-octanol/water

Not available

Flash Point

Not applicable

Does not sustain combustion (Closed Cup)

Flammability

Not flammable

Auto-Ignition Temperature

Not available

Explosion Limit - Upper

Not applicable

Explosion Limit - Lower

Not available

Kinematic Viscosity

Not applicable

Dynamic Viscosity

Not applicable

10. STABILITY AND REACTIVITY

Reactivity

Refer to Section 10: Possibility of hazardous reactions

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Not available

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes including: oxides of sulphur, halogenated compounds, metal oxides, carbon monoxide and carbon dioxide.

Possibility of hazardous reactions

Reacts with incompatible materials.

Under normal conditions of storage and use, hazardous reactions will not occur.

Hazardous Polymerization

Not available

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Toxicity data for material given below.

Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation

Inhalation of dusts may irritate the respiratory system.

Skin

Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis. May cause an allergic skin reaction.

Epichlorohydrin, bisphenol A resin

Result: Moderately irritating (rabbit, 500 µL/24h)

Result: Severe skin irritation (rabbit, 2 mg/24h)

Eye

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Epichlorohydrin, bisphenol A resin

Result: Mildly irritating (rabbit, 100 mg/24h)

Respiratory sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

This product contains crystalline silica. Crystalline Silica (respirable size $\leq 18 \mu\text{m}$) has been classified by the International Agency for Research on Cancer (IARC) as Carcinogenic to Humans (Group 1).

Talc not containing asbestos or asbestiform fibres is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

Glass filament, continuous is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

Silica, crystalline is listed as A2 – Suspected Human Carcinogen according to American Conference of Industrial Hygienists (ACGIH).

Continuous filament glass fibers is listed as A4 – Not Classifiable as a Human Carcinogen according to American Conference of Industrial Hygienists (ACGIH).

Talc containing no asbestos fibers is listed as A4 – Not Classifiable as a Human Carcinogen according to American Conference of Industrial Hygienists (ACGIH).

Silica, Crystalline (Respirable Size) is listed under 'Known To Be Human Carcinogens' in the Report on Carcinogens, according to the National Toxicology Program (NTP).

This product contains talc in a polymer matrix. Sanding the cured product may release particles containing talc with the polymer and other components of the matrix into the air. The talc contains less than 1% crystalline silica. Appropriate evaluations of the use of the product should be performed to determine if exposure to talc occurs due to handling and use.

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Persistence and degradability

Not available

Mobility

Insoluble in water.

Bioaccumulative Potential

Product:

Not available

Epichlorohydrin, bisphenol A resin:

Low bioaccumulation potential.

Bioconcentration Factor (BCF): 31

logPow: 2.64-3.78

Other Adverse Effects

No known significant effects or critical hazards.

Environmental Protection

Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information

Not classified as Dangerous Goods by the criteria of the Department of Transport (DOT).

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN Number (Air Transport, ICAO)

Not regulated

IATA/ICAO Proper Shipping Name

Not regulated

IATA/ICAO Hazard Class

Not regulated

IATA/ICAO Packing Group

Not regulated

IMDG UN No

Not regulated

IMDG Proper Shipping Name

Not regulated

IMDG Hazard Class

Not regulated

IMDG Pack. Group

Not regulated

IMDG Marine pollutant

No

DOT UN NO

Not regulated

DOT Proper Shipping Name

Not regulated

DOT Class

Not regulated

DOT Packing Group

Not regulated

Transport in Bulk

Not available

Special Precautions for User

Closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

California Proposition 65

This product contains chemical(s) known to the state of California to cause cancer and/or to cause birth defects or other reproductive harm.

Silica, crystalline (airborne particles of respirable size) - Type of Toxicity: Cancer

SARA Section 302

Not Listed

SARA (311,312) Hazard Class

Skin Corrosion/Irritation: Category 2

Eye Damage/Irritation: Category 2

Sensitization - Skin: Category 1

SARA (313) Chemicals

Not Listed

USA (TSCA)

All components of this product are listed on the Inventory or exempted.

Reportable Quantity

No reportable quantity

Other Information

Canada

Canada (DSL/NDSL): All components are listed or exempted.

Canadian NPRI: Not listed

CEPA Toxic substances: Not listed

16. OTHER INFORMATION

Date of preparation or last revision of SDS

SDS Created: May 2019

References

ANSI Z400.1/Z129.1-2010. American National Standard for Hazardous Workplace Chemicals – Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

OSHA Table Z-1 Limits for Air Contaminants (June 30, 1993)(29 CFR 1910.1000)(1971 Permissible Exposure Limits (PELs)).

OSHA Table Z-3 (29 CFR 1910.1000).

Contact Person/Point

Tel: +61 7 3262 3755

END OF SDS

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