

SAFETY DATA SHEET

Section 1 – Product & Company Identification

Product Name : RIDGID Thread Sealant with PTFE
(White Thread Sealant)
Product Catalog No..... : 84327, 84332, 84337
Recommended Use..... : Pipe Joint Compound for Threaded Metal Pipes
Recommended restrictions..... : None
Company Name : Ridge Tool Company
Address : 400 Clark Street
: Elyria, Ohio 44035-6001
Telephone : 1-800-519-3456 (USA) (8:00 am – 5:00 pm EST, M-F)
Emergency Telephone : call 9-1-1 or local emergency number
Issue Date : August 5, 2015

Section 2 – Hazards Identification

This product is classified as not hazardous per US OSHA 29CFR 1910.1200 (HazCom 2012) and Canada's Hazardous Products Regulations (WHMIS 2015).

GHS Label Elements: Not applicable

Hazard(s) not otherwise classified (HNOC)

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. The thermal decomposition vapors of fluorinated polymers may cause polymer fume fever.

Section 3 – Composition / Information On Ingredients

<u>Component:</u>	<u>CAS #</u>	<u>% By Weight</u>
Calcium Carbonate	1317-65-3	30 – 50
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	30 – 40
PTFE	9002-84-0	5 – 15
Titanium Dioxide	13463-67-7	5 – 10
Crystalline silica (quartz)	14808-60-7	< 0.5

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Section 4 – First Aid Measures

INHALATION

Move to fresh air. Call a physician if symptoms develop or persist.

SKIN CONTACT

Wash off with soap and water. Get medical attention if irritation develops and persists.

EYE CONTACT

Rinse with water. Get medical attention if irritation develops and persists.

INGESTION

Rinse mouth. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

GENERAL INFORMATION

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 – Fire Fighting Measures

GENERAL FIRE HAZARDS:

No unusual fire or explosion hazards noted.

SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA

Suitable extinguishing media:

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

During fire, gases hazardous to health may be formed.

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SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS

Move containers from fire area if you can do so without risk.

SPECIFIC METHODS

Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

The product is immiscible with water and will sediment in water systems.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

ENVIRONMENTAL PRECAUTIONS:

Avoid discharge into drains, water courses or onto the ground.

Section 7 – Handling And Storage

PRECAUTIONS FOR SAFE HANDLING:

Avoid prolonged exposure. Observe good industrial hygiene practices.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

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Section 8 – Exposure Controls / Personal Protection

EXPOSURE LIMITS:

US. OSHA Table Z-1 limits for Air Contaminants (29 CFR 1910.1000)

Chemical name	type	Exposure Limit Values	Form
Calcium carbonate	PEL	5 mg/m3 15 mg/m3	Respirable fraction Total dust
Distillates (petroleum), hydrotreated heavy naphthenic	PEL	5 mg/m3	Mist
Titanium dioxide	PEL	15 mg/m3	Total dust
Crystalline silica	TWA	0.3 mg/m3 0.1 mg/m3	Total dust Respirable

US. ACGIH Threshold Limit Values

Chemical name	type	Exposure Limit Values	Form
Distillates (petroleum), hydrotreated heavy naphthenic	TWA	5 mg/m3	Inhalable fraction
Titanium dioxide	TWA	10 mg/m3	
Crystalline silica	TWA	0.025 mg/m3	Respirable fraction

US. NIOSH: Pocket Guide to Chemical Hazards

Chemical name	type	Exposure Limit Values	Form
Distillates (petroleum), hydrotreated heavy naphthenic	STEL TWA	10 mg/m3 5 mg/m3	Mist Mist
Calcium carbonate	TWA	5 mg/m3 10 mg/m3	Respirable Total
Crystalline silica	TWA	0.05 mg/m3	Respirable dust

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BIOLOGICAL LIMIT VALUES

No biological exposure limits noted for the ingredient(s).

APPROPRIATE ENGINEERING CONTROLS

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

RESPIRATORY PROTECTION:

Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.

EYE PROTECTION:

Wear safety glasses with side shields (or goggles).

SKIN AND BODY PROTECTION:

Wear protective clothing and gloves appropriate for the risk of exposure.

HYGIENE MEASURES:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants.

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Section 9 – Physical And Chemical Properties

Appearance	
Physical State	Liquid
Form	Liquid paste
Color	White
Odor	Oderless
Odor Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	> 212 °C (100 °F)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%)	No data available
Flammability limit - lower (%)	No data available
Explosive limit – upper (%)	No data available
Explosive limit – lower (%)	No data available
Vapor pressure	No data available
Vapor density	< 1
Relative density	1.7
Solubility(ies)	
Solubility in water	Insoluble
Solubility (other)	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	25000 cP
VOC	3 g/l

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Section 10 – Stability And Reactivity

REACTIVITY:

The product is stable and non-reactive under normal conditions of use, storage and transport.

CHEMICAL STABILITY:

Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal conditions.

CONDITIONS TO AVOID:

Contact with incompatible materials.

INCOMPATIBLE MATERIALS:

Acids, fluorine

HAZARDOUS DECOMPOSITION PRODUCTS:

No hazardous decomposition products are known.

Section 11 – Toxicological Information

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Ingestion:

Expected to be a low ingestion hazard.

Inhalation:

Prolonged inhalation may be harmful.

Skin Contact:

No adverse effects due to skin contact are expected.

Eye contact:

Direct contact with eyes may cause temporary irritation.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

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INFORMATION ON TOXICOLOGICAL EFFECTS**Acute toxicity**

Not available.

Skin Corrosion/Irritation Product:

Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Eye Irritation Product:

Direct contact with eyes may cause temporary irritation.

Respiratory or Skin Sensitization Product:

Not a respiratory sensitizer. This product is not expected to cause skin sensitization.

Carcinogenicity Product:

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, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Crystalline silica (Quartz)	1 Carcinogenic to humans
Distillates (petroleum), hydrotreated heavy naphthenic	3 Not classifiable as to carcinogenicity to humans
Polyfluoroethylene	3 Not classifiable as to carcinogenicity to humans
Titanium dioxide	2B Possibly carcinogenic to humans

US National Toxicology Program (NTP) Report on Carcinogens:

Crystalline silica (Quartz) Known To Be Human Carcinogen.

US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Not listed

Germ Cell Mutagenicity

No data available.

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Reproductive toxicity Product:

This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity - Single Exposure Product:

Not classified.

Specific Target Organ Toxicity - Repeated Exposure Product:

Not classified.

Aspiration Hazard Product:

Not an aspiration hazard.

Chronic effects:

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Further information:

This product has no known adverse effect on human health

Section 12 – Ecological Information

ECOTOXICITY

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

PERSISTENCE AND DEGRADABILITY

No data is available on the degradability of this product.

BIOACCUMULATIVE POTENTIAL

No data available.

MOBILITY IN SOIL

No data available.

OTHER ADVERSE EFFECTS

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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Section 13 – Disposal Consideration

DISPOSAL INSTRUCTIONS:

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

LOCAL DISPOSAL REGULATIONS

Dispose in accordance with all applicable regulations.

HAZARDOUS WASTE CODE

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

WASTE FROM RESIDUES / UNUSED PRODUCTS

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

CONTAMINATED PACKAGING:

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 – Transportation Information

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
Not established.

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Section 15 – Regulatory Information

US FEDERAL REGULATIONS

All components are on the U.S. EPA TSCA Inventory List.

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories - None
SARA 302 Extremely hazardous substance: Not listed
SARA 311/312 Hazardous chemical: No
SARA 313 (TRI Reporting): Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

US STATE REGULATIONS

US Massachusetts RTK - Substance List

Calcium carbonate (CAS 1317-65-3)

Crystalline silica (Quartz) (CAS 14808-60-7)

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

Titanium dioxide (CAS 13463-67-7)

US New Jersey Worker and Community Right-to-Know Act

Calcium carbonate (CAS 1317-65-3)

Crystalline silica (Quartz) (CAS 14808-60-7)

Titanium dioxide (CAS 13463-67-7)

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US Pennsylvania Worker and Community Right-to-Know Law

Calcium carbonate (CAS 1317-65-3)

Crystalline silica (Quartz) (CAS 14808-60-7)

Polyfluoroethylene (CAS 9002-84-0)

Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Crystalline silica (Quartz) (CAS 14808-60-7)

Titanium dioxide (CAS 13463-67-7)

INTERNATIONAL INVENTORIES

Australian Inventory of Chemical Substances (AICS) Yes

Canada Domestic Substances List (DSL) No

Canada Non-Domestic Substances List (NDSL) Yes

Inventory of Existing Chemical Substances in China (IECSC) Yes

European Inventory of Existing Commercial Chemical Substances (EINECS) No

European List of Notified Chemical Substances (ELINCS) No

Japan Inventory of Existing and New Chemical Substances (ENCS) No

Korea Existing Chemicals List (ECL) Yes

New Zealand Inventory Yes

Philippine Inventory of Chemicals and Chemical Substances (PICCS) Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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Section 16 – Other Information

Prepared by: Ridge Tool Company

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