RUGGED COATINGS

PrBB Safety Data Sheet

1. IDENTIFICATION OF SUBSTANCE

PRODUCT FORM	Mixture
PRODUCT NAME	Rugged Coatings PrBB
PRODUCT USE	Elastomeric Acrylic Primer Coating
SUPPLIER IDENTIFICATION	Rugged Coatings 3217 Messer Airport Hwy Birmingham, AL 35222
EMERGENCY TELEPHONE	(800) 424-9300 Chemtrec

2. HAZARD(S) IDENTIFICATION

GHS RATINGS:

Carc.	2	H351

GHS HAZARDS

H351	Suspected of causing cancer

GHS PRECAUTIONS

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P280	Wear protective gloves/protective clothing/eye protection/face protection
P308+P313	If exposed or concerned: Get medical advice/attention
P405	Store locked up.
P501	Dispose of contents/container in accordance with existing federal, state, and local environmental control laws.

LABEL ELEMENTS

PICTOGRAM

SIGNAL WORD	Warning

3. COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURES

latex,liquid,synthetic	36 - 45%
Water (CAS No) 7732-18-5	16 - 25%
Titanium(IV) oxide (CAS No) 13463-67-7	0 - 10%
mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247- 500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS No) 55965-84-9	0.01 - 0.03%
2-octyl-2H-isothiazol-3-on (CAS No) 26530-20-1	0.01 - 0.03%

4. FIRST-AID MEASURES

GENERAL INFO	(CAS No) 26530-20-1
INHALATION	Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Assure fresh air breathing. Allow the victim to rest.
SKIN CONTACT	Wash with water and soap. Rinse with water. Rinse skin with water/shower.
EYE CONTACT	Direct contact with the eyes is likely to be irritating. Rinse eyes with water as a precaution.
INGESTION	Do not induce vomiting. Drink plenty of water. Get medical advice/attention. Rinse mouth. Call a poison center or a doctor if you feel unwell.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire Hazard	Non combustible. Not flammable
Reactivity	The product is non-reactive under normal conditions of use, storage and transport.

ADVICE FOR FIREFIGHTERS

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel	Ventilate spillage area. No open flames, no sparks, and no smoking.
For emergency responders	Do not attempt to take action without suitable protective equipment.

ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up	Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	Dispose of materials or solid residues at an authorized site.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling	Ensure good ventilation of the work station. Observe normal hygiene standards. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.
Hygiene measures	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technicals measures	Comply with applicable regulations.
Storage conditions	Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.
Storage temperature	4-38°C
Storage area	Keep only in the original container. Protect against frost.
Special rules on packaging	Keep only in the original container. Meet the legal requirements.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME / CAS NO.	OSHA EXPOSURE LIMITS	ACGIH EXPOSURE LIMITS	OTHER EXPOSURE LIMITS
latex, liquid, synthetic	Not Established	Not Established	Not Established
Titanium dioxide (13463-67- 7)	Not Established	10 mg/m3 TWA	Not Established
2-Butanone, 0,0’,0”-(methylsilylidyne) trioxime 22984-54-9	Not Established	Not Established	Not Established
2-octyl-2H-isothiazol-3-one (26530-20-1)	Not Established	Not Established	Not Established
Mixture (55965- 84-9)	Not Established	Not Established	Not Established
Water	Not Established	Not Established	Not Established

EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS	
PERSONAL PROTECTIVE EQUIPMENT	Gloves. Respiratory protection not required in normal conditions. Safety glasses.
HAND PROTECTION	Wear protective gloves.
EYE PROTECTION	Chemical goggles or safety glasses.
SKIN & BODY PROTECTION	Wear suitable protective clothing
RESPITORY PROTECTION	In case of insufficient ventilation, wear suitable respiratory equipment.
ENVIROMENTAL EXPOSURE CONTROLS	Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Liquid
Color	Light green
Odor	characteristic
Flash point:	>100°F
Density	~ 10.8 - 11.4 lb/gal
Solubility	Water: ~ 100 %

10. STABILITY AND REACTIVITY

REACTIVITY

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

CHEMICAL STABILITY

No date avalable

POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

CONDITIONS TO AVOID

None under recommended storage and handling conditions (see section 7).

11. TOXICOLOGICAL INFORMATION

POLY(DIMETHYLSILOXANE) (9016-00-6)

LD50 Oral Rat	> 5000 mg/kg (Rat, Literature Study)

TITANIUM(IV) OXIDE (13463-67-7)

LD50 Oral Rat	> 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Literature study)
LD50 Inhalation - Rat	> 6.8 mg/l/4h (Rat; Experimental value)

BUTAN-2-ONE 0,0',0''-(METHYLSILYLIDYNE)TRIOXIME (22984-54-9)

LD50 Oral Rat	> 10000 mg/kg (Rat; OECD 425: Acute OralToxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal Rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value)
ATE US (oral)	>2463 mg/kg bodyweight

3-AMINOPROPYTRIMETHIXYSILANE (13822-56-5)

LD50 Oral Rat	2.97 ml/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	11.3 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LC50 inhalation - rat [ppm]	> 5 ppm (OECD 403: Acute Inhalation Toxicity, 6 h, Rat, Male, Read-across, Inhalation (vapours), 14 day(s))

SILICA, PYROGENIC (112945-52-5

LD50 Oral Rat	3160 mg/kg (Rat)
LD50 dermel rabbit	>5000 mg/kg (Rabbit)

ATE US (oral)	> 3160 mg/kg bodyweight

TITANIUM(IV) OCXIDE (13463-67-7)

IARC Group	2B - Possibly carinogenic to humans

12. ECOLOGICAL INFORMATION

TOXICITY

Ecology - General	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Ecology - Water	Very toxic to aquatic life with long lasting effects.

TITANIUM(IV) OXIDE (13463-67-7)

EC50 Daphina 1]	> 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence)
Threshold limit - Algae [1]	61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

2-OCTYL-2H-ISOTHIAZOL-3-ONE (26530-20-1)

LC50 fish 1	0.14 mg/l (96 h, Pimephales promelas, Literature study)
EC50 Daphnia 1	0.18 mg/l (48 h, Daphnia magna, Literature study)
LC50 fish 2	0.05 mg/l (96 h, Oncorhynchus mykiss, Literature study)
EC50 Daphnia 2	0.32 mg/l (48 h, Daphnia magna, Literature study)

MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2H -ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1) (55965- 84-9)

LC50 fish 1	(LC50; 96 h; Lepomis macrochirus)
EC50 Daphnia	(EC50; 48 h; Daphnia magna)
Threshold limit algae 1 0.018 mg/l	(EC50; 72 h; Pseudokirchneriella subcapitata)

PERSISTANCE & DEGRADABILITY

LATEX, LIQUID, SYNTHETIC

Persistence and degradability	Biodegradability in soil: no data available.
Biochemical oxygen demand (BOD)	
0.01 g 02/g substance	

TITANIUM(IV) OXIDE (13463-67-7)

Persistence and degradability	Inherently biodegradeable

MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2H -ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1) (55965- 84-9)

Persistence and degradability	No (test)data on mobility of the components available.

BIOACCUMULATIVE POTENTIAL

LATEX, LIQUID, SYNTHETIC

Bioaccumalitive potentiential	not bioaccumalitive

TITANIUM(IV) OXIDE (13463-67-7)

Bioaccumalitive potentiential	not bioaccumalitive

2-OCTYL-2H-ISOTHIAZOL-3-ONE (26530-20-1)

BCF fish 1	1280 (67 day(s), Lepomis macrochirus, Flow-through system, Literature study)
Log Pow	2.45 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
EC50 Daphnia 2	0.32 mg/l (48 h, Daphnia magna, Literature study)

MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 247-500-7] AND 2-METHYL-2H -ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1) (55965- 84-9)

Bioaccumulative potential No test data of component(s) available.

MOBILITY SOIL

2-OCTYL-2H-ISOTHIAZOL-3-ONE (26530-20-1)

Ecology - soil	12.5. Other adverse effectsEffect on ozone layer :No (test)data on mobility of the substance available.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

DOT REGULATED COMPONENTS

In accrodance with DOT.

Transport document description	Not Regulated (Water Based Material - KEEP FROM FREEZING)
UN-No.(DOT)	Not Regulated (Water Based Material - KEEP FROM FREEZING)

15. REGULATORY INFORMATION

NATIONAL REGULATIONS Acute health hazard, chronic health hazard.

TITANIUM(IV) OXIDE (13463-67-7)

Listed on IARC (International Agency for Research on Cancer)

US STATE REGULATIONS

RUGGED COATINGS PRBB

U.S. - California - Proposition 65 - Carcinogens	Yes
U.S. - California - Proposition 65 - Developmental toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

TITANIUM(IV) OXIDE (13463-67-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

16. OTHER INFORMATION

SAFETY DATA SHEET ISSUED BY PRODUCT SAFETY DEPARTMENT

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Rugged Coatings. The data on these sheets relates only to the specific material designated herein. Rugged Coatings assumes no legal responsibility for use or reliance upon this data. It is the user's responsibility to ensure that their activities comply with federal, state, or local laws.