MATERIAL SAFETY DATA SHEET

MSDS 0094

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION _____ HMIS CODES PRODUCT NAME Health 1 2 RectorSeal Tru-Blu Flammability Reactivity 0 PRODUCT CODES B PPI 31300, 31431, 31551, 31552, 31631, 31780, 31782, 31785 CHEMICAL FAMILY: Organic USE Pipe Thread Sealant MANUFACTURER'S NAME EMERGENCY TELEPHONE NO. The RectorSeal Corporation Chemtrec 24 Hours 2601 Spenwick Drive (800)424-9300 USA Houston, Texas 77055 USA (703)527-3887 International DATE OF VALIDATION TECHNICAL SERVICE TELEPHONE NO. July 9, 2012 (800)231-3345 or (713)263-8001 DATE OF PREPARATION July 9, 2012 _____ Section 2 -- HAZARDS IDENTIFICATION _____ EMERGENCY OVERVIEW OSHA Hazards Combustable TARGET ORGANS Not Classified GHS CLASSIFICATION PHYSICAL HAZARDS Combustable liquid (Category 4) HEALTH HAZARDS Acute Toxicity: Oral: Not Classified Dermal: Not Classified Inhalation: Not Classified Skin Corrosion/Irritation: Not Classified Serious Eye Damage/Eye Irritation: Not Classified Skin Sensitization: Not Classified Respiratory Sensitization: Not Classified Germ Cell Mutagenicity: Not Classified Carcinogenicity: See Section 11 Reproductive Toxicology: Not Classified Target Organ Systemic Toxicity - Single Exposure: Not Classified Target Organ Systemic Toxicity - Repeated Exposure: Not Classified Aspiration Toxicity: Not Classified _____ GHS Label elements, including precautionary statements Pictogram: Harmful / Irritant Signal Word: Warning Hazard Statements H303 - May be harmful if swallowed.

H313 - May be harmful in contact with skin. H335 + H336 - May cause respiratory irritation, and drowsiness or dizziness. Precautionary Statements P102 - Keep out of reach of children. P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking P240 - Ground/Bond container and receiving equipment P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P262 - Do not get in eyes, on skin, or on clothing. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P362 - Take off contaminated clothing and wash before reuse. EUH066 - Repeated exposure may cause skin dryness or cracking Precautionary Statements - EU No. 1272/2008 _____ SUMMARY OF ACUTE HAZARDS Irritation to eyes, nose and throat; drowsiness, narcosis, tremors and other CNS effects at high concentration. ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS INHALATION Nasal and respiratory irritation, dizziness, narcosis, headache, nausea, CNS depression and unconsciousness. EYE CONTACT Watering, blurred vision, inflammation and irritation which can result in corneal injury. SKIN CONTACT Irritation, dermatitis. INGESTION Nausea, vomiting; CNS depression; irritation of gastrointestinal tract, liver and peritoneal wall; lung congestion. SUMMARY OF CHRONIC HAZARDS Skin irritation and dermatitis. Possible liver and kidney damage. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver or kidneys may have increased susceptibility to excessive exposures. _____ Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS _____ INGREDIENT: Diacetone Alcohol PERCENTAGE BY WEIGHT: 20-30 CAS NUMBER: 123-42-2 EC# : 204-626-7 _____ Section 4 -- FIRST AID MEASURES _____ If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential. If on SKIN: Wash with soap and water. If irritation occurs, seek

If in EYES: If SWALLOWED:	<pre>medical attention. Flush eyes with large amounts of water for 15 minutes. Get medical attention. If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.</pre>
Section 5 FIRE FIGHTING MEASURES	
<pre>FLASH POINT LEL UEL 150 F (65 C) SETA CC N/D N/D EXTINGUSING MEDIA Foam, dry chemical, carbon dioxide or water fog. SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10). UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible - moderate flash point. Vapors heavier than air and may travel along the ground or to low spots at considerable distances to a source of ignition resulting in potential flashback. Burning liquid may float on water. Heat may build up pressure and rupture containers.</pre>	
	6 ACCIDENTAL RELEASE MEASURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.	
Section 7 HANDLING AND STORAGE	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames. OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers. KEEP OUT OF REACH OF CHILDREN.	
Section	8 EXPOSURE CONTROLS/PERSONAL PROTECTION
INGREDIENT Diacetone Alcohol ACGIH TLV OSHA PEL	50 ppm
<pre>RESPIRATORY PROTECTION (SPECIFY TYPE): In confined poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air purifying or supplied air respirators. VENTILATION - LOCAL EXHAUST: Acceptable SPECIAL: Explosion-proof equipment. MECHANICAL (GENERAL): Preferable OTHER: N/A PROTECTIVE GLOVES: Wear rubber gloves. EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent) OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended. WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed</pre>	

areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse. _____ Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES _____ BOILING POINT: 322 F (161 C) @ 760mm Hg SPECIFIC GRAVITY (H20 = 1): 1.38 VAPOR PRESSURE (mm Hq): 0.3 @ 68 F (20 C) MELTING POINT: N/A VAPOR DENSITY (AIR = 1): 1.1 EVAPORATION RATE (ETHYL ACETATE = 1): 0.14 APPEARANCE/ODOR: Blue Paste/Mild Odor SOLUBILITY IN WATER: 23% VOLATILE ORGANIC COMPOUNDS (VOC) Content (Theoretical Percentage By Weight): 23% or (230 g/L) _____ Section 10 -- STABILITY AND REACTIVITY _____ STABILITY: Stable CONDITIONS TO AVOID: Heat, sparks, open flames, and strong oxidizing. Temperatures above 500 F (260 C). INCOMPATIBILITY (MATERIALS TO AVOID): Gaseous oxygen, strong oxidizing materials, molten alkali metals. HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 and fragmented hydrocarbons. HAZARDOUS POLYMERIZATION: Will not occur. _____ Section 11 -- TOXICOLOGY INFORMATION _____ CHRONIC HEALTH HAZARDS No ingredients in this product is an IARC, NTP or OSHA Lister carcinogen. _____ TOXICOLOGY DATA Ingredient Name _____ Diacetone Alcohol LD50:4000 mg/kg Oral-Rat Inhalation-Human TCLo: 100 ppm _____ Section 12 -- Ecological Information _____ ECOLOGICAL DATA Ingredient Name _____ Diacetone Alcohol Food Chain Concentration Potential N/A WATERFOWL TOXICITY N/A BOD N/A AOUATIC TOXICITY N/A _____ Section 13 -- DISPOSAL CONSIDERATIONS _____ Waste Classification: Non-regulated solid waste Disposal Method: Approved landfill Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with Federal, State, and Local regulation regarding pollution. _____

Section 14 -- TRANSPORTATION INFORMATION _____ DOT: Non-Regulated OCEAN (IMDG): Non-Regulated AIR (IATA): Non-Regulated WHMIS (CANADA): Non-Regulated _____ Section 15 -- REGULATORY INFORMATION _____ REGULATORY DATA Ingredient Name _____ Diacetone Alcohol SARA 313 N/A TSCA Inventory Yes N/A CERCLA RQ N/A RCRA Code _____ Section 16 -- OTHER INFORMATION _____ This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith,

Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001