

SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1464	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	INSTA-SEAL	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Flexible Elastomer Coating	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flammable Aerosols: Category 1	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:

Physical Hazard Precautionary Statements:

Extremely flammable aerosol.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Do not spray on an open flame or other ignition source.
 Do not pierce or burn, even after use.
 Protect from sunlight.
 Do not expose to temperatures exceeding 50°C/122°F.

Health Hazard Classification(s):

Acute Toxicity - Oral - Level 4	Warning
Acute Toxicity - Dermal - Level 4	Warning
Acute Toxicity - Inhalation - Level 4	Warning
Skin Corrosion/Irritation -Level 3	Warning
Eye Damage/Irritation -Level 2B	Warning
Carcinogenicity - Level 2	Warning
Toxic to Reproduction - Level 2	Warning
Aspiration Hazard - Level 2	Warning

Health Hazard Statements:

Harmful if swallowed. May be harmful if swallowed and enters airways. Harmful in contact with skin. Causes mild skin irritation. Causes eye irritation. Harmful if inhaled. Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight	PEL	TLV
Hydrocarbon Propellant	68476-86-8	15-25	No data	No data
Aliphatic Hydrocarbon *	110-54-3	10-20	500ppm	50ppm
Styrene-Isoprene Block	025038-32-8	10-20	Not hazardous under	Not hazardous under
Aromatic Hydrocarbon *	108-88-3	15-25	TWA OF 100 ppm(375	TWA OF 50 ppm (147 mg/m ³)
Poly (Butadiene-Co-Styrene)	9003-55-8	1-5	Not established	Not established
Xylene	1330-20-7	1-5	100ppm	100ppm
Rosin Ester	PROPRIETARY	1-5	Not determined	Note determined
Methyl Acetate	79-20-9	1-5	200ppm	200ppm
Silicon Dioxide	112926-00-8	1-5	15mg/m3	10mg/m ³
Titanium Dioxide	13463-67-7	1-5	10 mg/m3	10 mg/m ³

Specific chemical identity and exact percentages are withheld as Trade Secret.

4. First Aid Measures

EMERGENCY OVERVIEW

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed areas thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor/physician if you feel unwell. See Section 12 if specific treatment is applicable. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container in accordance with local regulations.

GENERAL: This material is an aspiration hazard and defats the skin. Breathing vapors of high concentrations may cause CNS depression.

EYES: Slightly irritating but does not injure eye tissue.

SKIN: Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

INHALATION:

High vapor/aerosol concentrations (greater than approximately 100 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

INGESTION:

Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly minimal toxicity.

PRECAUTIONS

SPECIAL PRECAUTIONS: Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

PERSONAL PROTECTION: For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Where concentrations in air may exceed the limits, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION: The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.

5. Fire-Fighting Measures

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed areas thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor/physician if you feel unwell.

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry Chemical. CO₂. Halogenated Extinguishing Agent. Stop Gas Flow.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

This product releases Flammable Vapors at well below ambient temperatures and readily forms flammable mixtures with air exposed to an ignition source. It will burn in the open or be explosive in confined spaces. Its vapors are heavier than air and may travel long distances to a point of ignition, and then flash back. Alkaline/chlorine gas mixtures have produced explosions.

FIRE FIGHTING:

Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical, or water spray to extinguish fire. Avoid spraying water directly into storage containers due to danger of boiling over. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

SPECIFIC FIRE-FIGHTING METHODS:

Gas fires should not be extinguished unless the gas flow can be stopped immediately. Allow the fire to burn itself out. If the source cannot be shut off immediately, all equipment and surfaces exposed to the fire should be cooled with water to prevent over-heating flash-backs, or explosions. Control fire until gas supply can be shut off.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Use proper protective equipment. Use fresh air respirator when exposure to hazardous concentrations of toxic gases is possible.

6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:

Clean up area by mopping or with absorbent materials and place in closed container for disposal. Consult Federal, State and local disposal authorities.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State and local disposal authorities for approved procedures.

7. Handling and Storage

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed areas thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor/physician if you feel unwell.

SAFE HANDLING:

VENTILATION REQUIREMENT: Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control employee exposure.

RESPIRATORY PROTECTION: Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA.

EYES: Face shield and goggles or chemical goggles should be worn.

GLOVES: Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested.

OTHER CLOTHING EQUIPMENT: Standard work clothing. Standard work shoes; discard if shoes can not be decontaminated. Store contaminated clothing in well ventilated cabinets or closed containers. Wash contaminated clothing and dry before reuse.

RESPIRATORY PROTECTION: In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

8. Exposure Controls / Personal Protection

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed areas thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor/physician if you feel unwell.

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Face shield and goggles or chemical goggles should be worn.

Skin Protection: Gloves: Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested. **OTHER CLOTHING EQUIPMENT:** Standard work clothing. Standard work shoes; discard if shoes can not be decontaminated. Store contaminated clothing in well ventilated cabinets or closed containers. Wash contaminated clothing and dry before reuse.

Respiratory Protection: Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA. In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

Ventilation Requirements: Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control employee exposure.

9. Physical & Chemical Properties

Appearance:	White coating spray.	Vapor Pressure:	<75 PSI @ 60°F.
Vapor Density:	Heavier than air.	Solubility (water):	Nil.
Boiling Point/Range:	Not determined.	VOC:	Carb Compliant MIR < 1.4.
Flash Point:	VL 3 Aerosol, Propellant: -136°C.	Specific Gravity:	LIQUID: 0.85.

10. Stability & Reactivity Information

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

Will not occur.

CONDITIONS TO AVOID:

Temperatures above 130°F.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

None.

11. Toxicological Information

PRIMARY ROUTE OF ENTRY: Inhalation, skin absorption, skin contact

ACUTE EXPOSURE HAZARDS:

Eyes: Vapors cause mild irritation. Splashes may cause redness and pain.

Skin: May cause redness, irritation, dryness, cracking, and pain. Defatting or dermatitis may result from prolonged or repeated exposure. Hexane may be absorbed through the skin with possible systemic effects. There are no reports of skin sensitization through occupational exposure. Sensitization was not observed in a maximization test using 25 volunteers.

Inhalation: Inhalation of vapors irritates the respiratory tract. Overexposure may cause central nervous system depression with lightheadedness, nausea, headache, and blurred vision. Greater exposure may cause muscle weakness, numbness of the extremities, unconsciousness and suffocation. Vapors can displace oxygen, especially in confined spaces.

Ingestion: May produce gastrointestinal irritation with abdominal pain, nausea, vomiting and diarrhea. Aspiration into lungs may cause chemical pneumonitis, which may be fatal. May cause central nervous system depression.

CHRONIC EXPOSURE HAZARDS:

Repeated or prolonged skin contact may defat the skin and produce irritation and dermatitis. Prolonged exposure may cause adverse reproductive effects and visual disturbances. Chronic inhalation may cause peripheral nerve disorders and central nervous system effects. Laboratory tests have resulted in mutagenic effects. May affect the developing fetus. Chronic exposure produces peripheral neuropathy with effects including muscular weakness, paresthesia, numbing of the hands, feet, legs, and arms, unsteadiness, and difficulty walking and standing. Repeated exposure may cause nervous system abnormalities with muscle weakness and damage, motor incoordination, and sensation disturbances. Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

Components	Species	Test Results
Aromatic Hydrocarbon * (108-88-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	12,124 mg/kg
<i>Inhalation</i>		
LC50	Rat	8,000 ppm, 4 h
<i>Oral</i>		
LD50	Rat	2,600 - 7,500 mg/kg
Xylene * (1330-20-7)		

TWA		100ppm
TLV		100ppm
Methyl Acetate (79-20-9)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	5001 mg/kg
<i>Oral</i>		
LD50	Rat	5001 mg/kg
Titanium Dioxide (13463-67-7)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	10,00 mg/m3
<i>Oral</i>		
LD50	Rat	25,000 mg/kg
May act as a mild irritant, no links to carcinogenicity in humans or animals. Titanium Dioxide is a slight eye irritant and a slight skin irritant, but is not a skin sensitizer in animals.		

12. Ecological Information

ECOTOXICITY:

ALIPHATIC HYDROCARBON * 110-54-3

Ecotoxicity: Experimental studies involving Hexane show acute aquatic toxicity values of 2.1 mg/L and greater than 1000 mg/L.

Environmental Fate: Persistence: Volatilization from soil surfaces is expected to be an important fate process. Hexane will be degraded in the atmosphere by reaction with hydroxyl radicals; the half-life of this reaction in air is estimated to be three days. Screening studies suggest that Hexane will undergo biodegradation in soil and water surfaces, but volatilization is expected to be the predominant fate process in the environment. Hydrolysis is not expected to be an important environmental fate process. Bioaccumulation: An estimated bioconcentration factor (BCF) of 2300 and log Kow of 3.9 for Hexane suggest the potential for bioconcentration in aquatic organisms is high. Metabolites may partially bioaccumulate in the lipid bilayer of fish tissues. Mobility: Hexane is highly volatile and will partition rapidly in the air. When released into water, Hexane will be lost by volatilization and biodegradation.

AROMATIC HYDROCARBON * 108-88-3

Bioaccumulation

Species: Ide, silver or golden orfe (Leuciscus idus)

Exposure Time: 3 d

Dose: 0.05 mg/l

Bioconcentration factor (BCF): 94

Method: Not reported

Ecotoxicity Effects: Toxicity to fish

96 h LC 50 Rainbow trout, donaldson trout (Oncorhynchus mykiss): 5.80 mg/l

Method: Renewal, Mortality

96 h LC 50 Fathead minnow (Pimephalespromelas): 12.60 mg/l

Method: Static Mortality

Toxicity to daphnia and other aquatic invertebrates.

48 h EC 50 Water flea (Daphnia magna): 6.00 mg/l

Method: Static, Intoxication

XYLENE * 1330-20-7

This product is a mobile liquid. This product is non biodegradable. It does not accumulate or biomagnify in the environment.

TITANIUM DIOXIDE 13463-67-7

Ecotoxicological Information

Aquatic Toxicity

96 hour LC50, fathead minnows: >1,000 mg/L

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "***". Additional ecological information is: Not determined.

13. Disposal Consideration

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed areas thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor/physician if you feel unwell.

DISPOSAL INSTRUCTIONS:

Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State and local disposal authorities for approved procedures.

14. Transportation Information

DOT: UN Number: UN1950

UN Proper Shipping Name: Aerosols, flammable, (each not exceeding 1L

Transport Hazard Class(es):

Class: 2.1

15. Regulatory Information**US FEDERAL REGULATIONS:**

Chemical Name	CAS	Concentration % by Weight	PEL	TLV
Hydrocarbon Propellant	68476-86-8	15-25	No data	No data
Aliphatic Hydrocarbon *	110-54-3	10-20	500ppm	50ppm
Styrene-Isoprene Block	025038-32-8	10-20	Not hazardous under	Not hazardous under
Aromatic Hydrocarbon *	108-88-3	15-25	TWA OF 100 ppm(375	TWA OF 50 ppm (147 mg/m ³)
Poly (Butadiene-Co-Styrene)	9003-55-8	1-5	Not established	Not established
Xylene *	1330-20-7	1-5	100ppm	100ppm
Rosin Ester	PROPRIETARY	1-5	Not determined	Note determined
Methyl Acetate	79-20-9	1-5	200ppm	200ppm
Silicon Dioxide	112926-00-8	1-5	15mg/m3	10mg/m ³
Titanium Dioxide	13463-67-7	1-5	10 mg/m3	10 mg/m ³

US STATE REGULATIONS:

State of California SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986.

WARNING: IN ACCORDANCE WITH PROP 65, THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM.

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified above with an ""

16. Other Information**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.