



## PLUS: IMPREGNATOR SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION

**Product Name:** PLUS: Impregnator

**Manufacturer:** Catalina Chemical, 4709 N. Lois Ave. Tampa, FL 33614. Phone: (813) 876-5914

**Recommended Use:** Coating Solution

**Emergency Phone:** ChemTel Inc: 1 (800) 255-3924

**Other means of identification:** UN1139

### SECTION 2: HAZARDS IDENTIFICATION

**GHS Classification:** *Skin irritation Category 2* *Acute Aquatic Toxicity Category 3*  
*Flammable Liquid Category 3* *Aspiration hazard Category 1*  
*Chronic Aquatic Toxicity Category 3* *Acute toxicity (Inhalation) Category 3*

**Pictogram:**



**Signal Word:** Danger

#### **Hazard Statements:**

H226: Flammable liquid and vapor

H227: Combustible liquid

H304: May be fatal if swallowed and enters airways

H315: Causes skin irritation

H331: Toxic if inhaled

H335: May cause respiratory irritation

H336: May cause drowsiness or dizziness

#### **Precautionary Statements:**

P210: Keep away from heat/sparks/open flames/hot surfaces. -- No smoking

P233: Keep container tightly closed

P240: Ground / bond container and receiving equipment

P241: Use explosion-proof electrical, ventilating, and lighting equipment

P242: Use only non-sparking tools

P243: Take precautionary measures against static discharge

P261: Avoid breathing mist / vapors

P264: Wash skin thoroughly after handling

P271: Use only outdoors or in a well-ventilated area

P280: Wear protective gloves and eye / face protection

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P312: Call a POISON CENTER or doctor/physician if you feel unwell

P331: Do NOT induce vomiting

P332 + P313: If skin irritation occurs: Get medical advice/ attention

P370 + P378: In case of fire: Use sand, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish

P403 + P233: Store in a well-ventilated place. Keep container tightly closed

P403 + P235: Store in a well-ventilated place. Keep cool

P405: Store locked up

P501: Dispose of contents and container in accordance with local regulations

**Other hazards:** Inhalation of decomposition products in high concentration may cause shortness of breath (lung edema). Inhalation of aerosol or fine spray mist may cause serious respiratory problems.

### SECTION 3 COMPOSITION ON INGREDIENTS

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and exact percentage (concentration) of composition has been withheld as a trade secret.

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Flush eyes with water. Seek medical attention if irritation persists.

**Skin Contact:** Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation persists.

**Inhalation:** If inhaled, remove to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms appear.

### SECTION 5 · FIRE FIGHTING MEASURES

**Suitable Extinguishing media:** Use alcohol-resistant foam, dry chemical or carbon dioxide.

**Hazardous combustion products:** Oxides of carbon and various hydrocarbons. Hydrogen fluoride Carbon dioxide (CO<sub>2</sub>) Carbon monoxide Other hazardous decomposition products may be formed.

**Fire Fighting Procedures:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Unusual Fire and Explosion Hazards:** Containers can build up pressure if exposed to heat and/or fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors will form an explosive mixture with air. Vapors will travel to a source of ignition and flash back.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Provide adequate ventilation. Evacuate all non-essential personnel from the spill area. Eliminate all ignition sources. Suitable protective clothing should be worn. Shut off or plug source of spill. Absorb on inert media and collect into suitable container. Salvage as much re-useable liquid as possible into a suitable container. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

### SECTION 7 · STORAGE AND HANDLING

**Handling:** Do not use sparking tools. Ground containers when transferring material. Avoid formation of respirable particles. Do not breathe vapors or spray mist. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed and tightly sealed when not in use. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before re-use.

**Conditions for safe storage:** Keep in properly labeled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.

**Materials to avoid:** Do not store with the following product types: Strong oxidizing agents, Explosives, Gases.

## SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Permissible Exposure Limit:** 100 ppm ACGIH; 150 ppm OSHA

**Engineering Controls:** Use of non-sparking and explosion-proof equipment may be necessary depending on type of operation. Use only in area provided with appropriate exhaust ventilation. Use appropriate workplace ventilation to remove fumes that may be released on heating. Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of will vary depending upon potential exposure conditions.

**Personal Protective Equipment (PPE):**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

**Skin:** If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

**Clothing:** Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

**Respirators:** Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid

**Odor:** solvent smell

**Odor threshold;** no data available

**pH:** N/A

**Melting point/freezing point:** N/A

**Initial boiling point and boiling range:** 248°F

**Flash point:** 28°C

**Evaporation rate:** .2

**Flammability:** liquid and gas vapor

**Flammability limits:** Lower: 1 Upper: 6

**Vapor pressure:** 7.9 mmHg

**Vapor density:** no data available

**Relative density:** no data available

**Solubility:** N/A

**Auto-ignition temperature:** 460°F

**Decomposition temperature:** no data available

**Viscosity:** no data available

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Stable under recommended storage conditions.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Combustible liquid. Vapors may form explosive mixture with air. Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Safe handling conditions must be maintained by keeping vapor concentrations within the occupational exposure limit.

**Conditions to avoid:** Keep away from heat, flame and other potential ignition sources. Temperatures in excess of 120°F for prolonged periods.

**Incompatible materials:** Oxidizing agents

**Hazardous decomposition products:** Incompletely burned carbon products , Carbon dioxide , Carbon monoxide, Hydrofluoric acid.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Likely routes of exposure:** inhalation, ingestion, skin and eye contact

**Signs and Symptoms of Overexposure:**

**Skin:** Contact can cause redness and irritation. Severity depends on the amount and duration of exposure.

**Eyes:** Vapors are irritating to the eyes. Liquid contact will cause stinging and tearing.

**Inhalation:** Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression.

**Ingestion:** If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

## SECTION 12 · ECOLOGICAL INFORMATION

**Ecotoxicity:** Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Mobility:** Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

**Biodegradation:** Not readily biodegradable.

**Atmospheric Oxidation:** Expected to degrade rapidly in air.

## SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical should be classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14 · TRANSPORTATION

**UN number:** UN1139

**UN proper shipping name:** Coating Solution

**Transport hazard class:** 3

**Packing group:** 3

**Environmental hazards:**

**Special precautions:** See SECTION 2

## SECTION 15 · REGULATORY INFORMATION

**OSHA HAZARD COMMUNICATION STANDARD:** This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA Section 311/312 (40 CFR 370) Hazard Categories:** Fire Hazard, Acute Health Hazard, Chronic Health Hazard

## SECTION 16 · OTHER INFORMATION

**MSDS Revision Date:** May 2016

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