

1. IDENTIFICATION

Product identifier: INSTAGREY, Treatment

Supplier Name : Les Innovations ADAPTIVA Inc. 206 Rue Saint-Pierre, Matane, Québec, Canada, G4W 2B5

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Emergency tel. number: 877-716-3020

Available hours: 9h00- 17h00 Monday to Friday

Recommended use: Wooden surfaces treatment

Restriction on use: Do no use on metals

2. HAZARD IDENTIFICATION

Signal word: WARNING

Product classification:



Skin irritation- Category 2. Serious eye irritation – Category 2A. Acute toxicity- Oral- Category 4

Combustible dusts– Category other.

Hazard statement(s):

H291 –Combustible dust.

H292 – May form combustible dust concentrations in air.

H302 –Harmful if swallowed.

H315 –Causes skin irritation.

H319 –Causes serious eye irritation.

Precautionary statement(s)

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye and face protection. Wash hands thoroughly after handling and any other part of the body that may have been exposed to the product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed.

Response: IF exposed or concerned: Get medical advice. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.

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Storage: Not applicable

Disposal: Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

Other hazards: Moderately toxic by intravenous and intraperitoneal routes. Moderately toxic by subcutaneous route. Poison by intravenous route.

See toxicological information, section 11

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No	Concentration % (w/w)
Citric Acid	77-92-9	10.00 – 20.00
Trihydrated sodium acetate	6131-90-4	10.00- 30.00
Iron (III) heptahydrate Sulfate	7782-63-0	30.00- 60.00
Wood dust, untreated	00-00-0	30.00- 60.00

The actual concentration range is withheld as a trade secret.

4. FIRST-AID MEASURES

If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention as soon as possible.

Skin contact: Remove contaminated clothing immediately. Wash the skin with soap and water. Thoroughly wet contaminated clothing. If irritation persists, consult a doctor.

Inhalation: Move exposed person to fresh air. Keep this person warm and lying down. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Symptoms: This product is irritating to skin, eyes, digestive tracts. The severity of symptoms can vary depending on the exposure conditions (contact time, product concentration, etc.). The main symptoms of intoxication include headache, nausea, vomiting, weakness, loss of appetite, fatigue, sweating, fever, tachycardia and dyspnea. In the most severe cases, convulsions, hyperthermic coma, liver damage are reported and sometimes death.

Effects (acute or delayed): This product is a serious irritant that may cause reversible damages to the cornea. Possible erythema of the skin. May cause liver damage. If ingested in large quantities may cause gastro-intestinal disorders. At high dose dilation of pupils can be observed. May cause at high concentration, breathing difficulty, loss of consciousness, deep coma and possibly death. Dust or fibers from the product may cause mechanical irritation of the eyes and respiratory tract.

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Immediate medical attention and special treatment: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Possible iron poisoning;

Specific treatments: Deferoxamine injections and ingestion of polyethylene glycol within one hour of absorption

5. FIRE- FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Jets of water can facilitate the spread of fire.

Specific hazards arising from the hazardous product: Combustible. If heated, dusts may form explosive mixtures with air.

Hazardous combustion products: Carbon monoxide and dioxide. Sulfur oxides. Carboxylic acids.

Special protective equipment and precautions for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No action shall be taken involving any personal risk or if you do not have suitable training or protection. Evacuate surrounding areas. Do not touch or walk through spilled material. Shut off all heating and ignition sources. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Protective equipment and emergency procedures: Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Use inert absorbent or retention tubes in the event of a large spill.

Methods and materials for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Contain leaks and pick up with non-combustible absorbent materials such as sand, earth or vermiculite. Then, place in an appropriate waste disposal container according to local regulations. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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Conditions for safe storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in a dry place.

Incompatibility: Oxidizing agents. Strong bases. Strong acids. Nitrates and nitrites.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

IDHL: Immediately Dangerous to Life or Health Concentrations

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limits

California / OSHA: California Division of Occupational Safety and Health

REL: Recommended Exposure Limits

ACGIH[®]: American Conference of Governmental Industrial Hygienists

TLV[®]: Threshold Limit Values

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyes: DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Respiratory: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Others: Wear protective clothing with long sleeves and appropriate safety shoes at all times.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Odour: Iron-like, Wood-like

Odour threshold: Not available

pH: Not applicable

Acid reserve: Not applicable

Alkali reserve: Not applicable

Melting/Freezing point: Not available

Initial boiling point/boiling range: Not applicable

Flash point: Not applicable

Flammability: Combustible

Lower flammable/explosive limit: Not applicable

Upper flammable/explosive limit: Not applicable

Auto-ignition temperature: Not applicable

Evaporation rate: Not applicable

Vapour pressure: Not applicable

Vapour density: Not applicable

Specific gravity: 1,853 kg/L at 20 °C (water = 1)

Solubility in water: Soluble

Partition coefficient – n-octanol/water: Not applicable

Decomposition temperature: Not applicable

Kinematic viscosity: Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended conditions of storage and handling.

Chemical stability: The product is chemically stable under normal conditions of use.

Possibility of hazardous reactions: Risk of explosion by shock, friction, fire or other sources of ignition.

Conditions to avoid: In the case of dusty organic products the possibility of a dust explosion should always be considered. Avoid electrical discharge. Keep away from sources of ignition, open flames and sparks. Keep away from incompatible products (see section 7).

Incompatible materials: This product attacks metals.

Hazardous decomposition products: Carbon monoxide and dioxide. Sulfur oxides. Carboxylic acids.

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11. TOXICOLOGICAL INFORMATION

COMPONENT	CAS No.	VALUE
Citric Acid	77-92-9	LD ₅₀ Oral: Rat = 5400 mg/kg LD ₅₀ Skin: Rat = > 3000 mg/Kg
Trihydrated sodium acetate	6131-90-4	LD ₅₀ Oral: Rat = 3500 mg/kg LD ₅₀ Oral: Mouse = 4960 mg/kg LD ₅₀ Skin: Rabbit = > 10 000 mg/Kg LC ₅₀ Inhalation: Rat = > 30 000 mg/ m ³
Iron (III) heptahydrate Sulfate	7782-63-0	LD ₅₀ Oral: Rat = 1480 mg/kg LD ₅₀ Oral: Mouse = 1520 mg/kg
Wood dust, untreated	00-00-0	Data not available.

Routes of exposure: This product is absorbed through the respiratory and digestive tract.

Symptoms: This product is irritating to skin, eyes, digestive tracts. The severity of symptoms can vary depending on the exposure conditions (contact time, product concentration, etc.). The main symptoms of intoxication include headache, nausea, vomiting, weakness, loss of appetite, fatigue, sweating, fever, tachycardia and dyspnea. In the most severe cases, convulsions, hyperthermic coma, liver damage are reported and sometimes death.

Delayed and immediate effects: Dust or fibers from the product may cause mechanical of the eyes and respiratory tract. This product is a serious irritant that may cause reversible damages to the cornea. Possible erythema of the skin. May cause liver damage. If ingested in large quantities may cause gastro-intestinal disorders. At high dose dilation of pupils can be observed. May cause at high concentration, breathing difficulty, loss of consciousness, deep coma and possibly death.

Aspiration hazard	N/A
Skin corrosion- Skin irritation	Yes
Serious eye damage- Serious eye irritation	Yes
Skin sensitization	N/A
Respiratory sensitization	N/A
Specific target organ toxicity - single exposure Category 3 Respiratory tract irritation	N/A
Specific target organ toxicity- single exposure	N/A
Specific target organ toxicity - single exposure Category 3 Narcotic effects	N/A
Specific target organ toxicity – repeated exposure	N/A

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Cancer classification under IARC (International Agency for Research on Cancer)

Group 1: carcinogenic to humans.

Group 2A: probably carcinogenic to humans.

Group 2B: possibly carcinogenic to humans.

Group 3: not classifiable as to its carcinogenicity to humans.

Group 4: probably not carcinogenic to humans.

Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

Group A1: confirmed human carcinogen.

Group A2: suspected human carcinogen.

Group A3: confirmed animal carcinogen with unknown relevance to humans.

Group A4: not classifiable as a human carcinogen.

Group A5: not suspected as a human carcinogen.

12. ECOLOGICAL INFORMATION

Aquatic ecotoxicology: Not applicable

Terrestrial ecotoxicology: Not applicable

Persistence and degradability: Not applicable

Bioaccumulative potential: Not applicable

Mobility in soil: Not applicable

Other adverse effects: Not applicable

13. DISPOSAL CONSIDERATIONS

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

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14. TRANSPORT INFORMATION

The product is not regulated for IATA, IMDG, ADR and DOT.

Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78), and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)): N/A

Marine pollutant: No

Exemption for limited quantity: Not applicable

Other exemptions: Not applicable

Special precautions: Not applicable

15. REGULATORY INFORMATION

The product classification and the Safety Data Sheet have been developed in accordance with the HPR.

16. OTHER INFORMATION

Date: 2023-12-01

Version: 2

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