



Empack Spraytech Inc.
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Canada
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PRODUCT: Emzone Iron Out - 510 g

CODE: P6-045020

SECTION 01: IDENTIFICATION

Manufacturer..... Empack Spraytech Inc.
Product Item Numbers..... P6-045020
Product Identity..... Emzone Iron Out - 510 g
24 hour emergency telephone number..... CANUTEC: 1-613-996-6666.
Recommended Use..... Ferrous particle remover.

SECTION 02: HAZARD IDENTIFICATION



Label Elements:

Signal Word..... **WARNING.**
Hazard Classification:
Physical Hazards..... Aerosols - Category 3. Gases Under Pressure - Liquefied Gas.
Health Hazards..... Skin Irritation - Category 2. Eye Irritation - Category 2A. Skin Sensitization - Category 1.
Reproductive Toxicity - Category 2.
Environmental Hazards..... Not Classified.
Hazard Statement..... H229:Pressurised container: May burst if heated (3). H280:Contains gas under pressure;
may explode if heated (L). H315:Causes skin irritation. H319:Causes serious eye
irritation. H317:May cause an allergic skin reaction. H361: Suspected of damaging fertility
or the unborn child.
Precautionary Statements:
Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking. P251:Do not pierce or burn, even after use. P264+P265: Wash hands
thoroughly after handling. Do not touch eyes. P261:Avoid breathing
dust/fume/gas/mist/vapours/spray. P272:Contaminated work clothing must not be allowed
out of the workplace. P203:Obtain, read and follow all safety instructions before use.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing
protection.
Response..... P302+P352:IF ON SKIN: Wash with plenty of water. P333+P317: If skin irritation or rash
occurs: Get medical help. P362+P364:Take off contaminated clothing and wash it before
reuse. P321:For specific treatment see section 4 on this SDS. P305+P351+P338:IF IN
EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
and easy to do. Continue rinsing. P337+P317:If eye irritation persists: Get medical help.
P318: IF exposed or concerned, get medical advice. .
Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.
P403:Store in a well ventilated place . P405: Store locked up.
Disposal..... P501:Dispose of contents/container in accordance with local, regional, national, and/or
international regulations.
Hazard(s) not otherwise classified (HNOC) None Known.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Ammonium Thioglycolate	5421-46-5	15-40
Isobutane	75-28-5	1-5
Propane	74-98-6	1-5
Secondary Alcohol Ethoxylate	84133-50-6	1-5
Morpholine	110-91-8	0.5-1.5
Sodium Lauryl Sulfate	151-21-3	0.5-1.5

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SECTION 04: FIRST-AID MEASURES

Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.
Skin Contact.....	Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Consult a poison control centre or physician immediately.
Eye Contact.....	Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
Ingestion.....	Do not induce vomiting, get medical attention. Rinse mouth. Obtain medical advice.
Most important symptoms/effects, acute .. and delayed	Suspected of damaging fertility or the unborn child.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 05: FIRE-FIGHTING MEASURES

Special Protective Equipment and Precautions for Firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific Hazards Arising from the Chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
Suitable Extinguishing Media.....	Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
Unsuitable Extinguishing Media.....	Do not use water jet as an extinguisher, as this will spread the fire.
General Fire Hazards.....	Non-flammable aerosol.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).
Methods and Materials for Containment .. and Cleaning Up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.
Environmental Precautions.....	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling.....	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.
Conditions for Safe Storage including any Incompatibilities	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV		OSHA PEL		NIOSH REL
		STEL	STEL	PEL	STEL	
Isobutane	Not available	1,000 ppm		Not available	Not available	Not available
Propane	Not available	Not available		1,000 ppm	Not available	Not available
Secondary Alcohol Ethoxylate	Not available	Not available		Not available	Not available	Not available
Morpholine	Not available	Not available		Not available	Not available	Not available
Sodium Lauryl Sulfate	Not available	Not available		Not available	Not available	Not available
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.					
Individual Protection Measures: Eye/Face Protection.....	Chemical splash goggles are recommended.					

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection..... Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing.

Respiratory Protection..... Use dust and mist respirator.

Thermal Hazards..... None Known.

General Hygiene Considerations..... When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol.

Physical Appearance..... Foam.

Odor..... Fragrance.

Odor Threshold (ppm)..... Not available.

Vapour Pressure (mm Hg)..... Not available.

pH..... 7-8.

Specific Gravity 1.000-1.200.

Boiling Point liquid (°C)..... Not available.

Melting/Freezing Point (°C)..... Not available.

Solubility in water..... Soluble.

Evaporation Rate (n-Butyl Acetate = 1)..... Not available.

Vapour Density (Air=1)..... Not available.

VOC Content..... NMT 10.

Aerosol Flame Projection..... 0 cm.

Flashback..... No.

Auto Ignition Temperature (°C)..... 460°C (860°F). (Propellant).

Flash Point (°C), Method..... -82.8. Closed cup. (Propellant).

Lower Flammable Limit (% Vol)..... 1.8. (Propellant).

Upper Flammable Limit (% Vol)..... 8.8. (Propellant).

Note..... NMT = Not More Than.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product not reactive under normal conditions of use.

Chemical Stability..... Material is stable under normal conditions.

Possibility of Hazardous Reactions..... Will not occur.

Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.

Incompatible Materials..... Keep away from heat. Strong oxidizing agents.

Hazardous Decomposition Products..... See Section 05.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Isobutane	658 mg/L (Rat - 4 hrs)	Not available
Propane	658 mg/L (Rat - 4 hrs)	Not available
Secondary Alcohol Ethoxylate	1.1 mg/L (4 hrs - rat)	Not available
Morpholine	8 mg/L (Rat)	1,050 mg/kg (Oral - Rat); 500 mg/kg (Dermal - Rabbit)
Sodium Lauryl Sulfate	Not available	1,200 mg/kg (Oral - Rat); > 2000 mg/kg (Dermal - Rat)

Information on Likely Routes of Exposure:

Routes of entry - Inhalation..... Yes.

Routes of entry - Skin & Eye..... Yes.

Routes of entry - Ingestion..... Yes.

Routes of entry - Skin Absorption..... No.

Symptoms Related to the Physical, Irritant effects.

Chemical and Toxicological Characteristics

Acute Toxicity..... Not classified.

Skin Corrosion/Irritation..... Causes skin irritation.

Serious Eye Damage/Eye Irritation..... Causes serious eye irritation.

Respiratory or Skin Sensitization..... May cause an allergic skin reaction.

Germ Cell Mutagenicity..... No information is available, and no adverse effects are expected.

Carcinogenicity..... Not classified.

Reproductive Toxicity..... This product contains morpholine which is suspected of damaging fertility and the unborn child.

STOT - Single Exposure..... Not classified.

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SECTION 11: TOXICOLOGICAL INFORMATION

STOT - Repeated Exposure..... Not classified.
 Aspiration Hazard..... Not classified.
 Chronic Effects..... No long term chronic effects are known or anticipated.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.
 Persistence and degradability The product itself has not been tested.
 Bioaccumulation Potential..... The product itself has not been tested.
 Mobility in Soil..... The product itself has not been tested.
 Other Adverse Effects..... None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.
 DOT (US-Road)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty., Consumer Commodity, ORM-D.
 IMDG (International- Marine)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.
 IATA (International- Air)..... UN1950, AEROSOLS, Class 2.2, Ltd. qty.

SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... Refer to Section 2 for a WHMIS 2015 Classification for this product.
 US Regulations
 California Proposition 65..... This product is not subject to warning labeling under California Proposition 65.

SECTION 16: OTHER INFORMATION

Disclaimer..... The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
 Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.
 NFPA Storage Level..... Level 1.
 Prepared by Regulatory Affairs
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