

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: Emzone SAR 505 Super Strength All Purpose Adhesive****CODE: 088155****SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Emzone SAR 505 Super Strength All Purpose Adhesive
 Product Item Numbers..... 088155
 Manufacturer..... Empack Spraytech Inc.
 98 Walker Drive
 Brampton
 Ontario
 Canada
 L6T 4H6
 905-792-6571
 24 hour emergency telephone number..... CANUTEC: (613)-996-6666 collect.
 Recommended Use..... Adhesive .

SECTION 02: HAZARDS IDENTIFICATION**Hazard Classification:**

Physical Hazards..... Flammable Aerosols - Category 1. Gases Under Pressure - Liquefied Gas .
 Health Hazards..... Skin Irritation - Category 2. Specific Target Organ Toxicity, Single Exposure - Category 3.
 Specific Target Organ Toxicity, Repeated Exposure - Category 2. Toxic to Reproduction - Category 2.

Label Elements:

Signal Word..... DANGER.
 Hazard Statement..... Extremely flammable aerosol. Pressurized container: may burst if heated. Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Prevention..... 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. Wear protective gloves. Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray.
 Response..... IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. If Skin Irritation occurs: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell. Get medical advice/attention if you feel unwell.
 Storage..... Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
 Disposal..... Dispose of contents/ container in accordance with local/regional/national/international regulations.
 Hazard(s) not otherwise classified (HNOC).. None Known.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Acetone	67-64-1	15-40
Hexane	110-54-3	15-40
Isobutane	75-28-5	10-30
Propane	74-98-6	10-30
Toluene	108-88-3	7-13

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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. If breathing is difficult, give oxygen and get medical attention.
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. Get medical attention if irritation persists. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin Contact.....	Immediately flush the contaminated skin with soap and water. If this chemical penetrates clothing, immediately remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention. Remove contaminated clothing. Launder clothing before reuse. If irritation occurs consult with your doctor.
Ingestion.....	Not likely to be ingested. If occurs, do not give anything by mouth to an unconscious person. Do not induce vomiting, get medical attention. Obtain medical advice.
Most important symptoms/effects, acute and delayed	Direct eye contact may cause temporary eye irritation.
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

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.
Specific Hazards Arising from the Chemical.	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
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. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.
General Fire Hazards.....	Extremely flammable aerosol.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Ensure adequate ventilation; avoid formation of dust. Wear protective equipment and keep unprotected persons away. Use respiratory protection against the effects of dust.
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.....	Wash thoroughly after 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. Avoid contact with eyes. Avoid breathing vapours or spray mists of this product. Use with adequate ventilation. Keep away from heat, sparks, and open flames.
Conditions for Safe Storage including any Incompatibilities	Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. 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 STEL	PEL	OSHA PEL STEL	REL	NIOSH
Acetone	500 ppm	750 ppm	Not available	1000 ppm		Not available
Isobutane	800 ppm	1000 ppm	800 ppm	Not available		800 ppm (TWA)
Propane	2,500 ppm	Not available	1,000 ppm	Not available		1,000 ppm
Toluene	20 ppm	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. Ground all equipment and cylinders before use.

Individual Protection Measures:

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Face Protection.....	Prevent eye contact, wear safety glasses in the event that eye contact is possible.
Skin Protection.....	Normally, no hand protection is required; however, prolonged or repeated contact with skin use chemical resistant gloves conforming to appropriate regulations. Observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves. Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact.
Respiratory Protection.....	Use approved NIOSH respirators for emergencies. Typical use of this product under normal conditions does not require the use of respiratory protection. If airborne concentrations are above the applicable exposure limits (listed below), use NIOSH approved respiratory protection .
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

Physical State.....	Aerosol.
Physical Appearance.....	Clear - yellow mist.
Odour.....	Hydrocarbon odour.
Odour Threshold (ppm).....	Not available.
pH.....	Not applicable.
Vapour Pressure (psig).....	80-100.
Vapour Density (Air=1).....	> 1.
Evaporation Rate (n-Butyl Acetate = 1).....	> 1 (n-Butyl Acetate = 1).
Boiling Point (° C).....	56.2 ° C.
VOC Content.....	Not available.
Specific Gravity (Liquid).....	0.800-0.840.
Specific Gravity	0.730-0.770.
Solubility in water.....	Nil.
Auto Ignition Temperature (Propellant), °C...	465 °C/869 °F.
Flash Point (°C), Method.....	-20 °C (-4 °F).
Lower Explosive Limit (% , vol).....	1.2.
Upper Explosive Limit (% , vol).....	12.8.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Product not reactive under normal conditions of use.
Chemical Stability.....	Stable at normal temperatures and pressures.
Possibility of Hazardous Reactions.....	Will not occur.
Conditions to Avoid.....	Avoid sources of heat and flame, and electrostatic charge.
Incompatible Materials.....	Avoid contacting with oxidizers.
Hazardous Decomposition Products.....	No hazardous decomposition products when stored and handled correctly.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Acetone	32000 ppm (Rat,4hr)	5,800 mg/kg (Oral,Rat)
Hexane	48,000 ppm RAT < 4 HOURS	28,710 RAT ORAL
Isobutane	658 mg/L (4hrs,Rat)	Not available
Propane	>800,000 ppm (15 min,Rat)	Not available
Toluene	20 mg/l (4 hrs)	>5,000 mg/kg (Rat,Ora); 12,124mg/kg (Rabbit,Dermal)

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, Chemical and Toxicological Characteristics	Irritant effects.
Acute Toxicity.....	No known significant effects.
Skin Corrosion/Irritation.....	Causes mild skin irritation. Prolonged contact may be more irritating.
Serious Eye Damage/Eye Irritation.....	Direct contact with eyes causes temporary irritation.
Respiratory or Skin Sensitization.....	Inhalation may cause respiratory tract irritation. May cause skin sensitization.
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.
Carcinogenicity.....	HAS BEEN CLASSIFIED AS A CARCINOGEN BY IARC.

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SECTION 11: TOXICOLOGICAL INFORMATION

Reproductive Toxicity
 STOT - Single Exposure..... No data available .
 STOT - Repeated Exposure..... No data available .
 Aspiration Hazard..... No data available .
 Chronic Effects..... No long term chronic effects are known or anticipated.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Not available.
 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..... Dispose in accordance with local, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... AEROSOLS, Class 2.1, UN1950.
 DOT (US-Road)..... AEROSOLS, Class 2.1, UN1950, LTD QTY, Consumer commodity ORM-D.
 IMDG (International- Marine)..... AEROSOLS, Class 2.1, UN1950.
 IATA (International- Air)..... AEROSOLS, Class 2.1, UN1950, LTD QTY.

SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... WHMIS Classification. B5: Flammable Aerosol.
 US Regulations..... California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxics under California Proposed 65 at levels which would be subjected to the proposition. OSHA (29CFR 1910.1200). National Inventory TSCA : Cosmetic products are not regulated under TSCA.

SECTION 16: OTHER INFORMATION

Disclaimer..... 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. THIS SDS IS VALID FOR THREE YEARS. 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 vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material.
 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.
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