

SAFETY DATA SHEET (SDS) / SUPER IMPREGNATOR 4210

Section 1 Product / Company Identification

Product Name	SUPER IMPREGNATOR 4210	
Product Description	Hydrocarbon Mixture	
Product Number	4210	
Manufacturer & Address	DYNA Metro Inc. 37 Creditstone Road Concord, Ontario L4K 1N3 Canada	
Manufacturer's Phone Number	+1 905.761.3309	
Manufacturer's Facsimile	+1 905.761.2114	
Date Of Issue	June 5, 2018	
Prepared By	Mark Gagro	
Emergency Phone Numbers	Canutech	1-613-996-6666 (Canada)
	Chemtrec	1-800-424-9300 (U.S.)

Section 2 Chemical composition And Hazards Identification

Ingredient	CAS #	Percent	T.L.V.	Route/Species
Alkanes	64742-88-7 5	0 - 100 %	100 ppm	LD50 > 8.0 ml/kg oral rat LC50 > 1400 ppm\4hr LD50 > 4.0 ml/kg dermal rabbit
Heptane	142-82-5	5 - 10 %		OSHA 400 ppm TWA (skin) 1600 mg\m3 TWA 500 ppm STEL 2000 mg\m3 STEL ACGIH 400 ppm TWA (skin) 1640 mg\m3 TWA 500 ppm STEL 2050 mg\m3 STEL
Ethylacetate	141-78-6	1 - 5 %		OSHA 400 ppm TWA 1400 mg\m3 TWA ACGIH 400 ppm TWA 1440 mg\m3 TWA
Alkylalkoxysilane	685554-66-5	10 - 30 %		Not established
Proprietary Polymer	Trade secret	20 - 40 %		Non-hazardous ingredient according to WHMIS criteria

Critical Hazards Single overexposure, above recommended guidelines, may cause : central nervous system depression with signs and symptoms such as headache, dizziness, drowsiness, in-coordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Combustible liquid and vapour. Vapours may ignite explosively.

Section 3 Chemical And Physical Data

Physical State	Liquid
Colour	Translucent light straw
Odour and Appearance	Sweet \ acetate
Water Solubility	Slight
Specific Gravity	.80
Boiling Point	93 Degrees C
Freezing Point	Not applicable
Melting Point	Not applicable
Percent Volatile	50 - 70 %
Vapour Density (Air =1)	3.2 @ 20 Degrees C
Vapour Pressure (mm Hg)	48.1000 C at 20 Degrees C
pH	Not applicable
Partition Coefficient (K o/w)	No data available
Evaporation Rate	Unknown
Viscosity	Unknown

Section 4 Fire And Explosion Data

Flammability	Yes
Means of Extinction	Carbon dioxide, dry chemical, foam, water spray.
Exposure Hazards During Fire	Vapours may travel long distances along the ground or floor to an ignition source and flash back.
Fire Fighting	<p>Cool tanks and drums with water. Firefighters should wear positive pressure, self-contained breathing apparatus. Equipment should be decontaminated after use. Vapours could form an explosive mixture in air.</p> <p>Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. Water may not effectively extinguish fire, however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. For leaks or spills which have not ignited, water spray can be used to disperse the flammable vapour and protect personnel attempting to stop the leak.</p>
Flash Point	- 4 degrees C (Setaflash CC)
Upper Explosion Limit	Unknown
Lower Explosion Limit	Unknown
Auto Ignition Temperature	Unknown
Hazardous Combustion Products	Carbon monoxide, carbon dioxide and toxic gases

Section 5 Stability And Reactivity Data

Stability And Reactivity	Stable
Hazardous Polymerization	Will not occur
Conditions To Avoid	Not applicable
Hazardous Decomposition	Carbon monoxide, carbon dioxide, hydrogen fluoride, and toxic vapours, gases and particulates

Section 6 Toxicological Information

Major Exposure Hazards	Skin contact, inhalation, eye contact, ingestion
Skin Contact	Moderate skin irritation (after prolonged or repeated contact). Signs and symptoms can include redness, swelling, itching and dryness.
Inhalation	Single overexposure, above recommended guidelines, may cause, central nervous depression. Signs and symptoms can include headache, dizziness, drowsiness, in-coordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Irritation of the upper respiratory system could show signs and symptoms of the following : soreness of the nose and throat, coughing and sneezing.
Eye Contact	Mild eye irritation with signs and symptoms that include redness, swelling, pain and tearing.
Ingestion	Ingestion is not a likely route of exposure to this product. Ingestion may cause aspiration pneumonitis. Signs and symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.
Carcinogenicity	No data available.
Mutagenicity	No data available
Reproductive Effects	No data available
Sensitization Information	No data available

Section 8 Disposal Considerations

Product As Sold	No data available
Product Packaging	No data available
Special Instructions	Since regulations vary, consult appropriate and applicable regulations or authorities before disposal.

Section 9 Accidental Release Measures

Personal Precautions	Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.
Spill Response	Extinguish all ignition sources. Contain spill. Cover with absorbent material. Collect spilled material. Place in an approved metal container.
Methods of Disposal	Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Combustion products will include HF.

Section 10 Handling And Storage

Storage Requirements	Keep container dry.
Incompatible Materials	Store away from acids. Store away from heat. Store out of direct sunlight.
Ventilation	Keep container in well ventilated area.
Fire Prevention	Ground containers securely when transferring contents. Wear low static or properly grounded shoes. No smoking while handling this material. Avoid shock or friction.
Explosion Prevention	Keep away from heat, sparks, open flame, and other sources of ignition. Prevent all sources of ignition. Vapours may ignite explosively.
Static Prevention	Avoid static discharge.
Use Instructions	Keep container tightly closed.

Section 11 Exposure Controls / Personal Protection

Personal Protection	Eye Protection	Avoid eye contact. Wear vented goggles.
	Hand Protection	Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended : butyl rubber, nitrile rubber, polyethylene / ethylene vinyl alcohol.
	Skin Protection	Avoid skin contact.
	Respiratory Protection	Avoid breathing of vapours created during the cure cycle. Avoid breathing of vapours, mist or spray. Avoid breathing of airborne material. Select one of the NIOSH approved respirators based on airborne concentration of contaminants : half-mask organic vapour respirator with dust/mist pre-filter ; full-face organic vapour respirator with dust/mist prefilter.
	Ingestion	Not applicable.
	Recommended Ventilation	Use with appropriate local exhaust ventilation. Use with functioning spray booth or local exhaust. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

Section 12 Emergency And First Aid Measures

Inhalation	Remove from exposure and provide fresh air. If breathing has stopped, administer artificial respiration or oxygen as necessary. Consult a physician immediately.
Eye Contact	Rinse the eyes with a gentle stream of water for at least 15 minutes. Consult a physician immediately.
Skin Contact	Remove contaminated clothing. Wash the skin with soap and water. Decontaminate or discard clothing. If irritation occurs, seek medical attention.
Ingestion	Consult a physician as to whether or not vomiting should be induced. Never give anything by mouth to an unconscious person

Section 13 Transportation Information

Transportation Of Dangerous Goods	TDG classification	Regulated material
	Proper Shipping Name	Resin Solution
	Class / Division	3.2
	UN Number	UN 1866
	Packaging Group	II
International Dangerous Goods Classification	IMO Class	No data available
	ICAO	No data available

Section 14 Regulatory Information

Labelling Requirements	UN# (PIN) 1866 Class Packaging Group	Resin solution 3.2 Flammable liquid II
HMIS Rating	Health Flammability Reactivity Personal Protection Z (User supplied based on use conditions)	1 2 0
NFPA	Health Flammability Reactivity	1 2 0

Section 15 Personal Protection / Exposure Control

DISPOSAL: DISPOSAL: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/ Provincial and local laws and regulations of unusable or contaminated materials. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Dispose of packaging/containers according to local, state and federal regulations.

IF THIS MATERIAL AS PACKAGED, BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA FOR A HAZARDOUS WASTE AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVER ACT (40CFR 261), DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Section 16 Other Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. It is the user's obligation to determine the conditions of safe use of this product.

Section 17 Preparation Information

Prepared by	Technical Services Department
Phone	(905) 761 - 3309
Facsimile	(905) 761 - 2114
e-mail	mail@dyna.ca