

SAFETY DATA SHEET (SDS) / TERRASEAL MATTE 4300

Section 1 Product / Company Identification

Product Name	4300 TERRASEAL MATTE
Product Description	Hydrocarbon Mixture
Product Number	4300
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 Emergency And First Aid

Emergency Information

Eyes	Rinse the eyes with a gentle stream of water for at least 15 minutes. Consult a physician immediately.
Skin	Remove contaminated clothing. Wash the skin with soap and water. Decontaminate or discard clothing. If irritation occurs, seek medical attention.
Inhalation	Remove from exposure and provide fresh air. If breathing has stopped, administer artificial respiration or oxygen as necessary. Consult a physician immediately.
Ingestion	If swallowed, give several glasses of water and induce vomiting by placing a finger on the back of the victim's tongue. Give fluids until vomitus is clear. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Section 3 Chemical Composition and Hazardous Ingredients

<u>COMPONENT</u>	<u>CAS #</u>	<u>Percent</u>	<u>TLV</u>	<u>Route / Species</u>
Light Aromatic	64742-95-6	30-90%	100 ppm	LD50 > 6984 mg/kg oral rat LC50 > 10.2 mg/l/4hr rat LD50 > 3492 mg/l dermal rat
Critical Hazards	Single overexposure, above recommended guidelines, may cause : central nervous system depression with signs and symptoms such as headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Combustible liquid and vapour. Vapours may ignite explosively.			

Section 4 Hazardous Identification

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, incoordination, 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.

Inhalation of vapours may lead to the same symptoms as with ingestion.

On prolonged exposure, this product may cause liver and kidney damage.

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.

Carcinogenic Potential

This product (or components, if a mixture) is not listed in IARC Monographs, the NTP Annual Report or regulated by OSHA as a carcinogen or potential carcinogen. Information is not available as to whether it is listed in the ACGIH TLV's as a carcinogen.

Mutagenicity

None

Reproductive Effects

Animal embryotic. Fetotoxic in animals.

Teratogenicity

Showed effect on fetus of lab animals.

Sensitization Information

Sensitivity reactions may occur from prolonged and repeated exposure. Prolonged and repeated overexposure to solvents can cause the following : irritation of the respiratory tract, enlarged liver, kidney effects, and cardiac sensitization.

Section 5 Chemical And Physical Data

ODOUR AND APPEARANCE:	Hydrocarbon Odour
PHYSICAL STATE:	Liquid
COLOUR:	Translucent clear and mobile liquid
ODOUR THRESHOLD:	> .2 - 2.0 ppm
WATER SOLUBILITY:	Immiscible
SPECIFIC GRAVITY (H ₂ O = 1.0):	.88
BOILING POINT:	150 - 185 Degrees C
FREEZING POINT:	< - 50 Degrees C
MELTING POINT:	Not applicable
PERCENT VOLATILE:	60 - 90%
VAPOUR DENSITY (AIR = 1):	4.3 @ 20 Degrees C
VAPOUR PRESSURE (mm gH):	> 3.5 @ 20 Degrees C
pH:	Not applicable
Particle Coefficient (K o/w):	Not applicable
Evaporation Rate:	.2 n-butyl acetate=1
Viscosity:	16.88 cSt

Section 6 Fire And Explosion

FLAMMABILITY:	Yes
MEANS OF EXTINCTION:	Carbon dioxide, dry chemical, foam.
EXPOSURE HAZARD DURING FIRE:	Vapours may travel long distances along the ground or floor to an ignition source and flash back.
FIRE FIGHTING:	Firefighters should wear positive pressure, self contained breathing apparatus. Equipment should be decontaminated after use. Vapours could form an explosive mixture in air. Wear full protective clothing, including helmet, selfcontained, 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.
FLASH POINT:	> 38 – 50 Degrees C (T.C.C.)
UPPER FLAMMABLE LIMIT (% BY VOLUME):	7.0
LOWER FLAMMABLE LIMIT (% BY VOLUME):	.6
EXPLOSION DATA:	Explosive Power : Not Available Rate of Burning : Not Available
SENSITIVITY TO STATIC:	Yes
DISCHARGE:	Sensitivity to Impact : No
AUTO IGNITION TEMPERATURE:	Not Available
UNUSUAL FIRE AND EXPLOSION HAZARDS:	This product is considered a combustible liquid under WHMIS criteria and is a fire hazard. It supports combustion and decomposes under fire conditions. Do not pour, spill, use or store near heat, spark sources or open flames. Consider the possible formation of explosive methyl alcohol / air mixture for example in uncleaned containers by moisture.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon monoxide, carbon dioxide acrylic monomers and toxic gases

Section 7 Stability And Reactivity Data

STABILITY AND REACTIVITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	Heat and any ignition source, open flames.
INCOMPATIBILITY:	Strong oxidizing agents
HAZARDOUS DECOMPOSITION:	CO, CO ₂ , acyclic monomers and traces of incompletely burned hydrocarbons upon combustion.
REACTIVITY:	No

Section 8 Precautions For Handling And Storage

STORAGE REQUIREMENTS:	Keep container dry.
INCOMPATIBLE MATERIALS:	Store away from acids or oxidizing agents . 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 9 Ecological Information

EXOTOXICITY DATA: Prevent runoff to sewers, streams or other bodies of water. Provincial, State, or Federal Regulations may require that environmental and / or other agencies be notified of a spill incident. Spill area must be cleaned and restored to original condition or to the satisfaction of authorities. No food chain concentration potential. May be harmful to aquatic life.

ENVIRONMENTAL FATE: Not available.

Section 10 Personal Protection / Exposure Control

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 : Polyvinyl alcohol and polyethylene / ethylene vinyl alcohol. Avoid butyl rubber, nitrile rubber and neoprene rubbers.
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 : halfmask organic vapour respirator with dust/mist and fume prefilter; fullface organic vapour respirator with dust / mist and fume 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.
OTHER PROTECTION:	An eyebath and safety shower should be available. All food should be kept in a separate area away from the storage / use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Wash hands and face thoroughly before eating and drinking or smoking to remove any residual material.

Section 11 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 12 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.
METHOD OF DISPOSAL:	Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material.

Section 13 Transportation Information

TRANSPORTATION OF DANGEROUS GOODS: TDG Classification - Not Regulated in containers less than 454 L (100 gal)

Proper Shipping Name	Resin Solution
Class / Division	3 (9.2)
UN Number	UN 1268
Packaging Group	III

INTERNATIONAL DANGEROUS GOODS CLASSIFICATION:

IMO CLASS	Packaging Group	III
	Class	3
	UN Number	1268

ICAO No data available

Section 14 Regulatory Information

LABELING REQUIREMENTS:	UN # (PIN) 1268 Resin Solution	
	Class	3 (9.2) Combustible liquid
	Packaging Group	III
HMIS RATING:	Health	1
	Flammability	3
	Reactivity	0
	Personal Protection	Z (User supplied based on use conditions)
NFPA:	Health	2
	Flammability	3
	Reactivity	0

Section 15 Other Regulatory Information

WHMIS CLASSIFICATION:	D2B Causes eye, skin and mucous membrane irritation.
	B3 Combustible liquid

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

IMO DESCRIPTION:	Resin Solution
	Class 3
	UN Number 1268
	Packaging Group III

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.