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	Version: 1.0			
Section 1 - P	roduct And Company Information			
Product	Propylene Glycol Monomethyl Ether Acetate (PMA)			
Product No	D006			
Company	Dynamic N.A. Inc			
Address	23 Captains Walk, Milford, CT 06460, U.S.A.			
Phone	1 914 965 2077			
Fax	1 914 375 2093			
Section 2 - C	omposition/Information On Ingredients			
Synonyms	1,2-Propanediol Monomethyl Ether Acetate* PGMEA			
	1-Methoxy-2-acetoxypropane * propylene glycol methyl ether acetate			
CAS #	108-65-6			
Formula	$C_6H_{12}O_3$			
	azards Identification			
	YOVERVIEW			
	(USA) Flammable (EU). Irritant.			
	losive peroxides. Irritating to eyes.			
HMIS RATIN	(s): Liver. Kidneys.			
	_TH: 2* /MABILITY: 2			
	CTIVITY: 0			
NFPA RATIN				
	_TH: 2			
	IMABILITY: 2			
	CTIVITY: 0			
	tional chronic hazards present.			
	I information on toxicity, please refer to Section 11.			
Section 4 - Fi	rst Aid Measures			
ORAL EXPO				
If swallowed, INHALATION	wash out mouth with water provided person is conscious. Call a physician.			
If inhaled, ren DERMAL EX	nove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. POSURE			
In case of cor EYE EXPOS	ntact, immediately wash skin with soap and copious amounts of water. URE			
In case of cor	ntact, immediately flush eyes with copious amounts of water for at least 15 minutes.			
	re Fighting Measures			
FLAMMABLE				
Flammable H				
	Peroxide Former: Yes			
EXPLOSION				
	avel considerable distance to source of ignition and flash back. Container explosion may			
	ire conditions. May form peroxides of unknown stability.			
FLASH POIN				
	109.4 °F 43 °C Method: closed cup			
EXPLOSION	Upper: 13.1 %			
AUTOIGNITI				

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Suitable: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Flammable liquid. Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL Evacuate area. Shut off all sources of ignition. PROCEDURE(S) OF PERSONAL PRECAUTION(S) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. METHODS FOR CLEANING UP Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING

User Exposure: Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep container closed. Keep away from heat, sparks, and open flame. Store in a cool dry place. Unsuitable: Minimize exposure to air. If peroxide formation is suspected, do not open or move container. SPECIAL REQUIREMENTS

Do not distill to dryness.

Section 8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Safety shower and eye bath. Use nonsparking tools. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling. Wash contaminated clothing before reuse.

EXPOSURE LIMITS

EXPOSORE LIMITS					
Country	Source	Туре	Value		
Poland		NDS	260 mg/m3		
Poland		NDSCh	520 mg/m3		
Poland		NDSP			

Section 9 - Physical And Chemical Properties					
Appearance	Colorless clear liquid				
Molecular Weight:	132.16 amu				
pH	N/A				
BP/BP Range	145.0 - 146.0 °C	760 mmHg			
MP/MP Range	N/A	-			
Freezing Point	N/A				
Vapor Pressure	3.7 mmHg 20 °C				

N/A

Vapor Density

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SG/Density Flash Point Explosion Limits	0.968 g/cm3 109.4 °F 43 °C Lower: 1.3 % Upper: 13.1 %	Method: closed cup
Flammability Autoignition Temp Refractive Index Solubility	N/A 354 °C 1.402 N/A	

N/A = not available

Section 10 - Stability and Reactivity

STABILITY Conditions of Instability: Upon exposure to air, product may slowly degrade, forming peroxides, which can be unstable. Materials to Avoid: Strong oxidizing agents, Strong acids, Strong bases. HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide. HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Kidneys. Liver.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA

Oral

Rat 8532 mg/kg LD50 Intraperitoneal

> Mouse 750 MG/KG LD50

Skin

Rabbit

> 5000 mg/kg LD50

Section 12 - Ecological Information

N/A

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

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Section 14 - Transport Information						
DOT (US)1						
Proper Shipping Name: Ethers, n.o.s.						
UN-Number: 3271 Class: 3	Packing group: III					
Hazard Label: Flammable liquid PIH: Not PIH						
Proper Shipping Name: Ethers, n.o.s.						
UN-Number: 3271 Class: 3	Packing group: III					
Section 15 - Regulatory Information						
EU DIRECTIVES CLASSIFICATION						
Symbol of Danger: Xi						
Indication of Danger: Irritant.						
R: 10-36						
Risk Statements: Flammable. Irritating to eyes.						
S: 25 Sofaty Statemente: Avoid contact with even						
Safety Statements: Avoid contact with eyes. US CLASSIFICATION AND LABEL TEXT						
Indication of Danger: Combustible (USA) Flammable	e (ELI) Irritant					
Risk Statements: May form explosive peroxides. Irr						
Safety Statements: In case of contact with eyes, rin						
medical advice. Wear suitable protective clothing.						
US Statements: Target organ(s): Liver. Kidneys.						
UNITED STATES REGULATORY INFORMATION						
SARA LISTED: No						
TSCA INVENTORY ITEM: Yes						
CANADA REGULATORY INFORMATION						
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR,						
and the MSDS contains all the information required by the CPR.						
DSL: Yes						
NDSL: No						
Section 16 Other Information						

Section 16 - Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.