

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME : MI Adhesive
USE : Contact Adhesive
PRODUCT TYPE : Solvent based contact adhesive
CHEMICAL FAMILY : Chloroprene based adhesive
SUPPLIER : Dunlop Adhesives (Thailand) Limited
ADDRESS : 700/242 Moo1 Bankao Sub-District, Panthong
District Chonburi Province 20160
CONTACT NUMBERS : Tel : (038) 465 661-2, Fax : (038) 465 663


2. HAZARDS IDENTIFICATION
2.1 Distinguish of chemical: Flammable Liquids.

Danger of Physical: No information.

Danger of Health :

- **Way of Exposure** : Skin , eyes, mouth and respiration irritating.
- Local effect skin, eyes, mucous membrane irritate.
- **Effect of overexposure short- term** : Have a headache , feel nauseated , dizzy and feel drowsiness.
- **Effect of overexposure long- term** : Contact with skin get feel dermatitis.
Evaporation of volatile have to a central nervous. May causes damage to organs through prolonged or repeated exposure)

2.2 Danger of Symbol :

Signal Word	Danger
(Pictogram)	
(Hazard Code)	(Hazard Statement)
H225	Highly flammable liquid vapor
H304	May be fatal if swallowed and enters airways
H315	Cause skin irritation
H336	May cause drowsiness or dizziness
H373 **	May causes damage to organs through prolonged or repeated exposure



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Remark :

** Not can regard specific all danger of organ and contact chemical.

Caution / Danger Protective.

Ventilation: Institute in well ventilated.

Respiratory Protection Type : Wear of Mask filter chemical especially Gas type NPF400gas but stay in Poor ventilation wear respirator type air tank NPF 2000 standard.

Hand Protection : Wear of gloves made by nitrite.

Eyes protection : Wear safety glasses.

Other Protection : Full protection clothing and safety shoes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	C.A.S No.	UN. No	% by Wt
Toluene	108-88-3	UN-1294(Class3)	20 - 25
Synthetic Rubber	9010-98-4	-	10 - 15
Other Solvents	-	-	50 - 70
Other Additive	-	-	10 - 15

4. FIRST AID MEASURES

SKIN	:	Remove affected person from source of contamination. Wash thoroughly with soap and water. If irritation persists seek medical attention.
EYES	:	Promptly wash eyes with plenty of water while lifting The eye lids. Continue to rinse for at least about 10 minute.
INHALATION	:	Remove affected personnel to fresh air, keep warm and rest. If irritation persists seek medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	:	Foam, water spray or fog. Dry chemical powder, carbon dioxide , sand or earth may be used for small
UNSUITABLE EXTINGUISHING MEDIA	:	Water in a jet
SPECIFIC HAZARDS	:	Hazardous combustion products may include carbon monoxide. The vapor is heavier than air, spreads along the ground and distant ignition is possible.
PROJECTION EQUIPMENT	:	Full protective clothing and self-contained breathing apparatus SCBA type. Mask pressure mode positive type.



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6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION WHEN SPILL	:	Avoid contact with skin and eyes. Ventilate Contaminated area thoroughly. Do not breathe vapor. Extinguish Naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk.
PRECAUTIONS TO PROTECT ENVIRONMENT	:	Do not allow spillages to enter drains or watercourses.
SPILL CLEANUP METHODS	:	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS	:	Handle in well ventilated areas. Avoid skin and eye contact. No smoking, drinking water and dine in chemical contaminate area. After usage ought a hands and face cleaning .Remove Full protective clothing and self- contained breathing apparatus are contaminate. Before do incumbency continues.
STORAGE PRECAUTIONS	:	Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROL MEARURES PROTECTIVE EQUIPMENT VENTILATION	:	Use only in well ventilated areas.
	:	Provide adequate general and local exhaust ventilation.
RESPIRATORY PROTECTION	:	Wear mask protect chemical vapor get guarantee by Thai Industrial Standards Institute 2199-2547.
EYE PROTECTION	:	Wear safety glasses danger protective for avoid splashing chemical liquid/vapor.
HAND PROTECTION	:	Wear appropriate chemical resistance gloves and Permeability of chemicals
PHYSICAL PROTECTION	:	Wear appropriate clothing to prevent any possibility of skin contact.



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9. PHYSICAL AND CHEMICAL PROPERTIES

APPERANCE	:	Viscous liquid product
COLOR	:	Golden Yellow
VISCOSITY	:	5,000 – 6,000 mPa.s
SOLID CONTENT (%)	:	23 – 25 %
FLASH POINT	:	-26 C

10. STABILITY AND REACTIVITY

STABILITY	:	Normally stable
CONDITIONS TO AVOID	:	Heat, flames and sparks.
HAZARDOUS DECOMP. PRODUCTS	:	Combustion may produce carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

HEALTH WARNINGS	:	No specific health warnings noted.
SERIOUS EFFECT TO HEALTH OCCURS :		
Danger and toxin when eat.		
Irritate oppose to skin and eye severe.		
Cause danger to target organ (Central nervous, Kidney, Liver systems.)		
Irritate to inhalation or be giddy / be dizzy		
Be able to die when at and breath		

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	:	Not regarded dangerous for the environment.
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13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	:	Recover or recycle if possible. Otherwise incineration.
PRODUCT DISPOSAL	:	Recover or recycle if possible. Otherwise incineration.
CONTAINER DISPOSAL	:	Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Send to drum recover
LOCAL LEGISLATION	:	Comply with local regulations.



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14. TRANSPORT INFORMATION

UN NUMBER	:	UN1133
SHIPPING TRANSPORT NAME	:	Adhesive Flammable Liquid
TRANSPORT HAZARD CLASS	:	Class 3
PACKING GROUP	:	II

15. REGULATORY INFORMATION

Not classified

16. OTHER INFORMATION

SDS DISTRIBUTION	:	The information in this document should be made available to all who may handle the product.
DISCLAIMER	:	This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
