

REVISION DATE: September 2006

## MATERIAL SAFETY DATA SHEET

### PARTITE 7310 ADHESIVE

#### 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: PARTITE 7310 ADHESIVE  
SSUPPLIER: E-TECK LTD  
3 WEYSIDE PARK, NEWMAN LANE, ALTON  
HANTS GU34 29J : TEL : 0142082209

#### 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
METHYL METHACRYLATE	201-297-1	80-62-6 60	60-90%	R11 R43 Xi;R37/38
METHACRYLIC ACID	201-204-4	79-41-4	1-10%	R35 Xn; R21/22

The Full Text for all R-Phrases are Displayed in Section 16

#### 3: HAZARDS IDENTIFICATION

Highly flammable, may cause sensitization by skin contact, irritating to respiratory system and skin.

CLASSIFICATION: Xi;R37/38. R43. F;R11.

#### 4: FIRST-AID MEASURES

##### GENERAL INFORMATION

Avoid contact with skin and eyes. Do not breathe vapors/spray. In case of accident or if you feel unwell, seek medical advice immediately

(Show label where possible).

##### INHALATION

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Contact physician if discomfort continues.

##### INGESTION

Do not induce vomiting. Drink plenty of water. Get medical attention.

##### SKIN CONTACT

Remove affected person from source of contamination. Wash skin thoroughly with soap and water for several minutes.

Contact physician if irritation persists.

##### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Contact physician if irritation persists.

#### 5: FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder.

##### SPECIAL FIRE FIGHTING PROCEDURES

Keep up-wind to avoid fumes. Avoid water in straight hose stream; will scatter and spread fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

##### SPECIFIC HAZARDS

Highly flammable, avoid breathing fire vapors. May travel considerable distance to source of ignition and flash back.

Polymerizes, generating heat.

##### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

#### 6: ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS

Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Remove sources of ignition. Avoid inhalation of spray mist and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

##### ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

#### SPILL CLEAN UP METHODS

Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

#### 7: HANDLING AND STORAGE

##### USAGE PRECAUTIONS

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Avoid inhalation of vapors/spray and contact with skin and eyes. Take precautionary measures against static discharges.

Storage tanks and other containers must be grounded. Do not smoke; use naked flames or other sources of ignition.

Observe good industrial hygiene practices.

##### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

#### 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
METHYL METHACRYLATE	OES	50 ppm	208 mg/m3	100 ppm	416 mg/m3
METHACRYLIC ACID	OES	20 ppm	72 mg/m3	40 ppm	143 mg/m3

##### PROCESS CONDITIONS

Provide eyewash, quick drench.

##### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

##### RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

##### HAND PROTECTION

Use protective gloves made of: rubber or plastic.

##### EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable.

##### HYGIENE MEASURES

Keep away from food, drink and animal feeding stuffs. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving work place.

##### SKIN PROTECTION

Protection suit must be worn.

#### 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Paste
COLOUR:	White/Off-White
ODOUR:	Slightly pungent odor
BOILING POINT (°C):	101
RELATIVE DENSITY:	0.96 20 °C
VAPOUR DENSITY (air=1):	3.5
VAPOUR PRESSURE:	28mmHg 20
EVAPORATION RATE:	3 (butyl acetate =1)
pH-VALUE,	3.0-3.5 ( 5% DILUTED SOLUTION)
VISCOSITY:	40,000 -60,000 cps
FLASH POINT (°C):	10
FLAMMABILITY LIMIT –	2.1 LOWER (%)
FLAMMABILITY LIMIT -	12.5 UPPER (%)

#### 10: STABILITY AND REACTIVITY

##### STABILITY

Stable under normal temperature conditions and recommended use. May polymerize.

##### CONDITIONS TO AVOID

Heating will generate vapors which may form explosive vapor/air mixtures. Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

##### HAZARDOUS POLYMERISATION

May polymerize.

##### MATERIALS TO AVOID

Avoid contact with oxidizing agents.

##### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Fire or high temperatures create: Nitrous gases (NOx). Cyanides.

## 11: TOXICOLOGICAL INFORMATION

Name METHYL METHACRYLATE

Toxic Dose 1 - LD 50 7872 mg/kg (oral rat)

Toxic Conc. - LC 50 7093 ppm/4h (inh-rat)

### INHALATION

In high concentrations, vapors are narcotic and may cause headache, fatigue, dizziness and nausea. In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

INGESTION Irritating. May cause nausea, stomach pain and vomiting.

### SKIN CONTACT

Maybe absorbed through the skin, irritating to skin. Prolonged or repeated exposure may cause severe irritation. May cause sensitization to the skin through direct contact. Risk of sensitization or allergic reactions among sensitive individuals.

### EYE CONTACT

Can be irritating to the eyes, risk of corneal damage.

### TARGET ORGANS

Prolonged or repeated exposure may cause: damage to the liver and kidneys, respiratory system, lungs, and central nervous system.

## 12: ECOLOGICAL INFORMATION

### ECOTOXICITY

Avoid release to the environment.

### MOBILITY

Do not discharge into drains, water courses or onto the ground.

### DEGRADABILITY

Methyl methacrylate monomer: Biochemical oxygen demand within 5 days (BOD5) = .14 g/g - 0.9 g/g.

### WATER HAZARD CLASSIFICATION

WGK 1 WGH Nr: 1252

## 13: DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

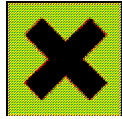
WASTE CLASS: 08 04 09

## 14: TRANSPORT INFORMATION



UK ROAD CLASS	3		
PROPER SHIPPING NAME:	ADHESIVES		
UN NO. ROAD	1133	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	CLASS # Flammable Liquid
ADR PACK GROUP:	3	HAZARD No. (ADR)	30
ADR LABEL NO.	3	HAZCHEM CODE	3Y
CEFIC TEC(R) NO.	30GF1-III, 30GF1-sp	CLASS NO.	3 RID
PACK GROUP	III RID	UN NO. SEA	1133
IMDG CLASS	3	IMDG PAGE NO.	3
IMDG PACK GR.	3	EMS	F-E, S-D
MFAG	See Guide	MARINE POLLUTANT	NO
UN NO. AIR	1133	ICAO CLASS	3
AIR PACK GR.	III		

15. REGULATORY INFORMATION  
LABELLING



Irritant



Highly Flammable

CONTAINS: METHYL METHACRYLATE  
METHACRYLIC ACID

RISK PHRASES:

R11 Highly flammable.  
R43 May cause sensitisation by skin contact.  
R37/38 Irritating to respiratory system and skin.

SAFETY PHRASES

S2 Keep out of the reach of children  
S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition - No smoking.  
S29 Do not empty into drains.  
S33 Take precautionary measures against static discharges.

16: OTHER INFORMATION

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RISK PHRASES IN FULL

R11 Highly flammable.  
R37/38 Irritating to respiratory system and skin.  
R43 May cause sensitization by skin contact.

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