

REVISION DATE: September 2006

## MATERIAL SAFETY DATA SHEET INCOMPLETE

### PARLITE 4500 ADHESIVE

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

PRODUCT NAME: PARLITE 4500 ADHESIVE  
MANUFACTURER: PARSON ADHESIVES, INC.  
ROCHESTER HILLS, MICHIGAN 48309  
Chemtrec: 1-800-262-8200

#### 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS-No.	Content	Classification
Urethane Acrylate	Proprietary	25 - 35%	Xi; R36/37/38
Hydroxyalkyl Methacrylate	868-77-9	15 - 20%	Xi; R36/37/38
High boiling Methacrylate	Proprietary	10 - 20%	
Acrylic Acid	79-10-7	1 - 5%	R10; Xn
	R20/21/22; C R35; N R50		
High boiling Acrylate	Proprietary	6 - 13%	
Photoinitiator	947-19-3	1 - 5%	
Silane Coupling Agent	2530-83-8	1 - 2%	Xi;R38-41

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

#### 3: HAZARDS IDENTIFICATION

May cause sensitisation by skin contact. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION: R36/37/38, Irritating to eyes, respiratory system and skin  
R43 May cause sensitisation by skin contact

#### 4: FIRST-AID MEASURES

##### GENERAL INFORMATION

Avoid contact with skin and eyes. 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

By heating and fire, irritating vapours/gases may be formed.

##### 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

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 labelled 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 vapours/spray and contact with skin and eyes.

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

### 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:	Liquid
COLOUR:	Clear
ODOUR:	Characteristic strong odour
BOILING POINT (°C):	>100 °C
RELATIVE DENSITY:	1.08@ 20 °C
VAPOUR DENSITY (air=1):	N/A
VAPOUR PRESSURE:	N/A
EVAPORATION RATE:	N/A
pH-VALUE,	N/A
VISCOSITY:	1000 cps
FLASH POINT (°C):	N/A
FLAMMABILITY LIMIT –	N/A
FLAMMABILITY LIMIT -	N/A

## 10: STABILITY AND REACTIVITY

### STABILITY

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

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.

### HAZARDOUS POLYMERISATION

May polymerise when heated

### MATERIALS TO AVOID

Avoid contact with oxidizing agents. Strong acids, Amines

### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## 11: TOXICOLOGICAL INFORMATION

### SKIN CONTACT

Irritating to skin. May cause sensitisation to the skin through direct contact. Risk of sensitisation or allergic reactions among sensitive individuals.

### EYE CONTACT

Severe eye irritant. Symptoms may include significant redness, swelling, pain, cloudy appearance of cornea.

### INHALATION

May be absorbed following inhalation, symptoms may include cough, sneezing, nasal discharge, headache, and nose and throat pain.

### INGESTION

May be absorbed following ingestion, symptoms may include gastrointestinal irritation, abdominal pain, stomach upset, nausea, vomiting.

## 12: ECOLOGICAL INFORMATION

### ECOTOXICITY

Avoid release to the environment. The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment

### MOBILITY

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

### WATER HAZARD CLASSIFICATION

WGK 2

## 13: DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

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

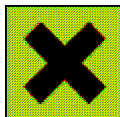
WASTE CLASS: 08 04 99

## 14: TRANSPORT INFORMATION

UK ROAD CLASS	9		
PROPER SHIPPING NAME:	Environmentally hazardous substance. Liquid N.O.S. (aliphatic acrylic ester)		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	M6 Environmentally hazardous
	substance. Liquid N.O.S. (aliphatic acrylic ester)		
ADR PACK GROUP:	3		
ADR LABEL NO.	9		
UN NO. AIR	3082	ICAO CLASS	9
AIR PACK GR.	III		

## 15. REGULATORY INFORMATION

### LABELLING



Irritant



Dangerous for the environment

CONTAINS: Hydroxyalkyl Methacrylate, Acrylic Acid

### RISK PHRASES:

R51/53 environment	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic
R43	May cause sensitisation by skin contact.
R36/37/38	Irritating to eyes, respiratory system and skin

### SAFETY PHRASES

S2 Keep out of the reach of children  
S24/25 Avoid contact with skin and eyes  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28B After contact with skin, wash immediately with plenty of water  
S37/39 Wear suitable gloves and eye/face protection..  
S51 Use only in well ventilated areas

## 16: OTHER INFORMATION

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REV. NO./REPL. SDS GENERATED 2

### RISK PHRASES IN FULL

R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R43	May cause sensitisation by skin contact.
R36/37/38	Irritating to eyes, respiratory system and skin

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