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DATE OF ISSUE  
5/24/2004

SUPERSEDES  
3/19/2003

SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms  
N/A

Trade Name & Synonyms  
GAPPER ADHESIVE

Chemical Family:  
CYANOACRYLATE

Formula Mixture --> X

Manufacturer's Name:  
Partsmaster, Div of NCH Corp.

Address:  
P.O. Box 655326  
Dallas, TX 75265-5326

Prepared By:  
a.santiago/Chemist

Product Code Number  
57004920

Emergency Phone Number  
800-424-9300

SECTION II - HAZARDOUS INGREDIENTS  
THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
ETHYL CYANOACRYLATE	IRR/COMB	0.2PPM 1.	NOT EST. 2	NOT EST.	7085-85-0
METHYL METHACRYLATE POLYMER	IRRITANT	NOT EST. 1.	NOT EST. 2	NOT EST.	9011-14-7
HYDROQUINONE	CARCINOGEN	2MG/M3 1.	2MG/M3 2.	4 MG/M3 1.	123-31-9

SECTION III - PHYSICAL DATA

Boiling Point (F):	365 F	Specific Gravity (H2O=1):	1.05
Vapor Pressure (MM HG):	1 @ 70.0	Color:	WATER WHITE
Vapor Density (Air=1):	> 1	Odor:	SOLVENT
pH @ 100%	N/A	Clarity:	CLEAR
% Volatile by Volume:	<1	Evaporation Rate (BU A/C-1):	<1
Water Solubility:	INSOLUBLE	Viscosity:	SEMI VISCIOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point 185°F / 74.0°C	Flammable Limits N/E	LEL N/E	UEL N/E
Extinguishing Media X <-Foam <-Alcohol Foam X <-CO2 X <-Dry Chemical X <-Water Spray <-Other			
Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.			
Unusual Fire and Explosion Hazards: NONE. COMBUSTIBLE REQUIRING THE ABOVE PROCEDURES.			
Aerosol Level (NPPA 30B):	N/A		
NFPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme) 1 <- Health 2 <-Flammability 1 <-Instability <-Special			

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:  
NOT ESTABLISHED FOR MIXTURE. SEE SECTION II

Effects of Overexposure:

-Acute (Short Term Exposure)

EYE CONTACT: CAUSES IRRITATION SEEN AS STINGING, TEARING AND REDNESS. ADHESIVE WILL DISSOCIATE FROM EYE/EYELIDS OVER TIME, USUALLY WITHIN SEVERAL HOURS. TEMPORARY WEeping OR DOUBLE VISION MAY BE EXPERIENCED UNTIL CLEARANCE IS ACHIEVED.  
SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. WILL BOND SKIN INSTANTLY. INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. MAY CAUSE ALLERGIC RESPIRATORY REACTION WITH ASTHMA-LIKE SYMPTOM IN SENSITIVE INDIVIDUALS. INGESTION: MAY BOND LIPS INSTANTLY. SWALLOWING CYANOACRYLATE IS ALMOST IMPOSSIBLE AS THE ADHESIVE WILL SOLIDIFY UPON CONTACT WITH SALIVA AND MAY ADHERE TO THE INSIDE OF THE MOUTH. SALIVA WILL LIFT THE ADHESIVE IN 1 TO 2 DAYS. AVOID SWALLOWING THE ADHESIVE AFTER DETACHMENT.

-Chronic (Long Term Exposure)

GET ORGANS: BLOOD-FORMING ORGANS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY, SKIN AND EYE CONDITIONS SUCH AS ASTHMA, MYSEMA AND DERMATITIS. MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS.

Primary Routes of Entry: X <-Inhalation <-Ingestion <-Absorption

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

## SECTION V - HEALTH HAZARD DATA (Continued)

## -Eye Contact:

IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

## -Skin Contact:

WASH AREA WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. DO NOT ATTEMPT TO PULL SKIN AWAY IF GLUED TO THE BODY OR A SURFACE. IMMEDIATELY IMMERSE BONDED AREAS IN WARM, SOAPY WATER. PEEL OR ROLL SKIN APART. REMOVE CURED ADHESIVE WITH SEVERAL APPLICATIONS OF WARM, SOAPY WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

## -Ingestion:

LIPS MAY BECOME STUCK TOGETHER: APPLY COPIOUS AMOUNTS OF WARM WATER AND ENCOURAGE WETTING/PRESSURE FROM SALIVA INSIDE MOUTH. PEEL OR ROLL (DO NOT PULL) LIPS APART. IT IS ALMOST IMPOSSIBLE TO SWALLOW (CYANOACRYLATE AS ADHESIVE SOLIDIFIES UPON CONTACT WITH SALIVA AND MAY ADHERE TO INSIDE OF MOUTH. SALIVA WILL LIFT ADHESIVE IN 1-2 DAYS, AVOID SWALLOWING ADHESIVE AFTER DETACHMENT.

## -Notes to Physician:

IF TWO AREAS OF SKIN BECOME GLUED TOGETHER, IT IS ALWAYS RECOMMENDED TO CONTINUE WETTING AREA UNTIL THE ADHESIVE LOOSES ITS BOND. DO NOT ATTEMPT TO PULL OR CUT LIPS, FINGERS ECT. APART. IF EYELIDS ARE ADHERED TOGETHER OR TO EYEBALL, IRRIGATE AREA THEN COVER WITH A GAUZE PATCH, TEARS WILL CAUSE THE MATERIAL TO LOSE ITS ADHESION IN 1 TO 4 DAYS.

## SECTION VI - TOXICITY INFORMATION

Product Contains (Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC--> No      NTP--> No      OSHA--> No      ACGIH--> Yes      OTHER--> No

VOC:<5 G/L OR 1% BY WEIGHT

## HYDROQUINONE

ORL RAT LD50 320 MG/KG. 3.

ORL RBT LD50 550 MG/KG. 3.

SKN-HMN 2% MLD 3.

SKN-HMN 5% SEV 3.

(CLASSIFIED AS IARC GROUP 3 - NOT CLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS AND ACGIH A3 - CONFIRMED ANIMAL CARCINOGEN

## ETHYL 2-CYANOACRYLATE

SKN-RBT 500 U/L/24 MID 3.

ORL RAT LD50:25 ML/KG 3.

## SECTION VII - REACTIVITY DATA

Stability:      X = Stable      < = Unstable

Conditions to Avoid:

EXCESSIVE HEAT ABOVE 175°F. MOISTURE/ALKALINES.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; WATER, ALCOHOL, AMINES, ALKALINE MATERIALS AND DIRECT UV.

Hazardous Decomposition Products:

OXIDES OF CARBON

Hazardous Polymerization:

< May Occur      X < Will Not Occur

Conditions to Avoid:

NONE KNOWN

## SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

DUE TO SMALL CONTAINER, LARGE SPILLS NOT POSSIBLE. POLYMERIZE WITH WATER. SOLID MATERIAL MAY BE SCRAPPED FROM SURFACE.

Waste Disposal Method(s):

INCINERATE SOLID COMBUSTIBLE WASTE OR DUMP AS CHEMICAL WASTE ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.

Neutralizing Agent:

N/A

## SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

GENERAL VENTILATION IS NORMALLY ADEQUATE. LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE VAPORS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS CONTAMINANT DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPiece RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

Glove Protection:

NEOPRENE ORNITRILE RUBBER GLOVES SHOULD BE WORN. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES.

