



MATERIAL SAFETY DATA SHEET

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I. IDENTIFICATION

PRODUCT NAME : Oil-base varnish for playing card coating **CH-40801**

CHEMICAL FAMILY : Actylate copolymer

II. PHYSICAL DATA

BOILING POINT () Not Applicable **SPECIFIC GRAVITY** NE

VOLATILE < 0.3% by wt. **VAPOR PRESSURE (mm.Hg)** < 0.1

SOLUBILITY IN WATER Not Soluble

VAPOR DENSITY Not Applicable **EVAPORATION RATE** < 1
(Air=1) (Butyl Acetate =1)

APPEARANCE AND ODOUR Clear to slight turbid liquid with mild odor

III. INGREDIENTS

MATERIALS	%	HAZARD
Copolymer of acrylate	50	None currently know
Toluene solution	50	Irritant

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IV. FIRE AND EXPLOSION HAZARD DATA
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FLASH POINT	> 200	
FLAMMABLE LIMITS (vol. % in air)	LOWER NE	UPPER NE
EXTINGUISHING MEDIA	Use water spray, carbon dioxide, dry chemical, universal-type foams	
SPECIAL FIRE FIGHTING PROCEDURES	Breathing apparatus when fighting in enclosed area.	
UNUSUAL FIRE AND EXPLOSION HAZARDS	Do not store or mix with strong oxidants.	

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V. HEALTH HAZARD DATA
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ACUTE EFFECTS OF OVEREXPOSURE

SWALLOWING	None currently known. May cause some nausea.
SKIN ABSORPTION	May cause irritation.
INHALATION	Respiratory irritation, dizziness, nausea or loss of consciousness.
SKIN CONTACT	May cause irritation of skin,
EYE CONTACT	May cause severe irritation.

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VI. EXPOSURE CONTROL AND PERSONAL PROTECTION

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EMERGENCT AND FIRST AID PROCEDURES

SKIN	Immediately wash with soap and water. Launder contaminated clothing before reuse.

SWALLOWING	Do not induce vomiting, administer vegetable oil. Get medical assistance.

EYES	Flush eyes immediately with water and continue flushing for least 15 minutes. Seek medical attention.

INHALATION	Remove to fresh air. If breathing is difficult, oxygen may be administered. seek medical advice.

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VII. REACTIVITY DATA

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STABILITY

-----		CONDITIONS	
UNSTABLE	STABLE	TO	store in cool place
-----		AVOID	
X			

INCOMPATIBILITY (Materials to avoid)	peroxide materials
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HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS	Solution can burn and produce carbon monoxide and/or carbon dioxide.
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HAZARDOUS POLYMERIZATION		-----		CONDITIONS	
May Occur	Will Not Occur	TO	AVIOD	Don't exposure	under sunlight
-----		AVIOD			
X					

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VIII. SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN	Any source of ignition should be eliminated , should there be a major spillage. Wear suitable protective equipment. Collect for incineration. Avoid discharge to sewers or waterways.
IF MATERIAL IS SPILLED OR RELEASED	Minor spillage should be absorbed on fire retardant treated sawdust and bisposed in a enclosed container.

WASTE DISPOSAL METHOD	Incineration by a qualified waste disposal company in compliance with applicable laws and regulations.

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IX. SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION (Specify type)	Use Organic vapor canisters or cartridges.

VENTILATION	General (mechanical) room ventilation is expected to be satisfactory.

PROTECTIVE GLOVES	Solvent resistance gloves.

EYE PROTECTION	Safety Glasses

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X. SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

WARNING !

Keep away from naked fire and heat.

Avoid breathing vapors, particularly those in the top of the shipping container.

Keep containers closed.

Use with adequate ventilation system

Avoid contact with eyes skin and clothing.

FOR INDUSTRY USE ONLY

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XI. HANDLING AND STORAGE
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Precautions to be taken in handling :

Avoid contact with eyes. Avoid prolonged contact with skin.

Storage : Keep container well closed at a cool place , avoid freezing , fire and explosion .

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XII. ACCIDENTAL RELEASE MEASURES
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Step to be taken in case material is released or spilled :

Do not let spilled or leaking material enter watercourse .

Sweep or scrap up and containerized.Rinse affected area thoroughly with soap water.

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XIII. HAZARD IDENTIFICATION
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Most important hazards:

Persons with pre-existing skin disorders may more susceptible to irritating effects.

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XIV. TOXICOLOGICAL INFORMATION
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ToxicityData : Not available

Breathing In : None Known

Eye Contact : Direct contact with eyes will cause irritation

Skin Contact : Prolonged and repeated contact with skin may cause mild
Irritation

Oral intake : May cause Nausea and abdominal discomfort.

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XV. DISPOSAL INFORMATION
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Recommended waste disposal :

Do not dispose in watercourse. It should be recycle.

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XVI. TRANSPORT INFORMATION
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UN No : Not regulated.

Transport Information : No any special instructions

Packing Group : Not applicable

Rail/road transport : GGVS/GGVE : Not available

See transport : GGV-See/IMDG : Not regulated

Air transport : IATA/ICAO : Not available
