



SchoolMSDS

Art Supplies-Elementary Binder



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Art Supplies-Elementary
Binder

Gloss	1
RUBBER CEMENT,38-6232	6
Sher-Clear´ 1K Acrylic Clear Coat Gloss.....	9

Material Safety Data Sheet

Product Name:

LIQUITEX® ACRYLIC GLOSS MEDIUM AND VARNISH

Product Family:

1. Chemical Product and Company Identification

Colart Americas, Inc.
11 Constitution Avenue
PO Box 1396
Piscataway, NJ 08855
1800-445-4278

EMERGENCY TELEPHONE NUMBER:
1-800-628-3385

SUBSTANCE:
LIQUITEX® ACRYLIC GLOSS MEDIUM AND VARNISH

TRADE NAMES/SYNONYMS:

PRODUCT COLORS/CODES:
5004; 5008; 5016; 5032 ; 5036;

PRODUCT USE:
Arts and Crafts

CREATION DATE:
Nov 07 1997

REVISION DATE:
Sep 22 2005

2. Composition, Information on Ingredients

COMPONENT:
Product has been certified as non-toxic by The Art and Creative Materials Institute, Inc. and conforms to ASTM D-4236 Standard Practice for Labeling Art Materials for Acute and Chronic Adverse Health Hazards.
CAS NUMBER: Not assigned.
EC NUMBER: Not assigned.
PERCENTAGE: 100.0

3. Hazards Identification

None

EC CLASSIFICATION (CALCULATED):
Not classified.

EMERGENCY OVERVIEW:

COLOR:
white

PHYSICAL FORM:
liquid

Material Safety Data Sheet

ODOR:
fruity odor

MAJOR HEALTH HAZARDS:
No significant target effects reported.

POTENTIAL HEALTH EFFECTS:

INHALATION:
none

SKIN CONTACT:
none

EYE CONTACT:
none

INGESTION:
none

CARCINOGEN STATUS:

OSHA:
No

NTP:
No

IARC:
No

4. First Aid Measures

INHALATION:
It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

SKIN CONTACT:
It is unlikely that emergency treatment will be required. If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

EYE CONTACT:
It is unlikely that emergency treatment will be required. Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

INGESTION:
Contact local poison control center or physician immediately.

5. Fire Fighting Measures

FIRE AND EXPLOSION HAZARDS:
Slight fire hazard.

EXTINGUISHING MEDIA:
carbon dioxide, regular dry chemical, regular foam, water

FIRE FIGHTING:
Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

Material Safety Data Sheet

FLASH POINT:
No data available.

6. Accidental Release Measures

OCCUPATIONAL RELEASE:
Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

7. Handling and Storage

Store and handle in accordance with all current regulations and standards. See original container for storage recommendations. Keep separated from incompatible substances.

8. Exposure Controls, Personal Protection

EXPOSURE LIMITS:

LIQUITEX(R) ACRYLIC GLOSS MEDIUM AND VARNISH:
No occupational exposure limits established.

VENTILATION:
Based on available information, additional ventilation is not required.

EYE PROTECTION:
Eye protection not required under normal conditions.

CLOTHING:
Protective clothing is not required under normal conditions.

GLOVES:
Wear appropriate chemical resistant gloves.

PROTECTIVE MATERIAL TYPES:
neoprene, rubber

RESPIRATOR:
No respirator is required under normal conditions of use.
Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

9. Physical and Chemical Properties

PHYSICAL STATE:
liquid

COLOR:
white

ODOR:
fruity odor

BOILING POINT:
> 100 C

FREEZING POINT:
Not available

VAPOR PRESSURE:
Not available

VAPOR DENSITY: Air = 1
> 1

LIQUITEX(R) ACRYLIC GLOSS AND
MEDIUM VARNISH

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SPECIFIC GRAVITY:
1.1

WATER SOLUBILITY:
Miscible

PH:
8-9
VOLATILITY:
Not available

ODOR THRESHOLD:
Not available

EVAPORATION RATE: BuAc = 1
< 1

10. Stability and Reactivity

REACTIVITY:
Stable at normal temperatures and pressure.

CONDITIONS TO AVOID:
None reported.

INCOMPATIBILITIES:
oxidizing materials

HAZARDOUS DECOMPOSITION:

Thermal decomposition products:
oxides of carbon

POLYMERIZATION:
Will not polymerize.

11. Toxicological Information

Not available

12. Ecological Information

Not available

13. Disposal Considerations

Dispose in accordance with all applicable regulations.

14. Transport Information

No classification assigned.

LAND TRANSPORT ADR/RID:
No classification assigned.

AIR TRANSPORT IATA/ICAO:
No classification assigned.

MARITIME TRANSPORT IMDG:
No classification assigned.

15. Regulatory Information

U.S. REGULATIONS:

TSCA INVENTORY STATUS:
Y

LIQUITEX(R) ACRYLIC GLOSS AND
MEDIUM VARNISH

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TSCA 12(b) EXPORT NOTIFICATION:
Not listed.

CERCLA SECTION 103 (40CFR302.4):
N
SARA SECTION 302 (40CFR355.30):
N

SARA SECTION 304 (40CFR355.40):
N
SARA SECTION 313 (40CFR372.65):
N

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21):

ACUTE:
N

CHRONIC:
N

FIRE:
N

REACTIVE:
N

SUDDEN RELEASE:
N

OSHA PROCESS SAFETY (29CFR1910.119):
N

STATE REGULATIONS:

California Proposition 65:
N

EUROPEAN REGULATIONS:

EC NUMBER:
Not assigned.

16. Other Information

The information contained herein is provided for identification of hazards in normal use and does not constitute a product specification.

ROSS CHEMICAL CO -- RUBBER CEMENT,38-6232 -- 8040-00-262-9040

=====
Product Identification
=====

Product ID:RUBBER CEMENT,38-6232

MSDS Date:11/01/1993

FSC:8040

NIIN:00-262-9040

=== Responsible Party ===

Company Name:ROSS CHEMICAL CO

Address:8459 MELVILLE STREET

City:DETROIT

State:MI

ZIP:48209

Country:US

Info Phone Num:313-842-7370

Emergency Phone Num:313-842-7370

CAGE:HO326

=== Contractor Identification ===

Company Name:CORROS CORP

Address:8459 MELVILLE

Box:City:DETROIT

State:MI

ZIP:48209-2673

Country:US

Phone:800-387-5275

CAGE:86816

Company Name:GRAVES-HUMPHREYS CO

Address:5320 PETERS CREEK RD

Box:13407

City:ROANOKE

State:VA

ZIP:24033

Country:US

Phone:(800-336-5998)

CAGE:1B236

Company Name:ROSS CHEMICAL COMPANY(CONROS CORPORATION)

CAGE:HO326

=====
Composition/Information on Ingredients
=====

Ingred Name:ALIPHATIC HYDROCARBONS

Fraction by Wt: 87%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 AS OIL MIST

ACGIH TLV:5 MG/M3 AS OIL MIST

=====
Hazards Identification
=====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, TEARING, BLURRED VISION, DEFATTING,
HEADACHE, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, VOMITING, DIARRHEA,
CONFUSION, DIFFICULTY IN BREATHING, INCOORDINATION

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING

DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, CNS MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

=====
First Aid Measures
=====

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:CALL A PH YSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING. NEVER GIVE ANYTIHING BY MOUTH TO AN UNCONSCIOUS PERSON.

=====
Fire Fighting Measures
=====

Flash Point Method:TCC
Flash Point:-7F,-22C
Lower Limits:1.1
Upper Limits:7.5
Extinguishing Media:USE CARBON DIOXIDE, SAND, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:EXTREMELY FLAMMABLE. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

=====
Accidental Release Measures
=====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-SPARKING PUMP OR NON-FLAMMABLE ABSORBENT SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS.
Neutralizing Agent:NOT RELEVANT

=====
Handling and Storage
=====

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA AWAY FROM SOURCES OF IGNITION. BOND AND GROUND CONTAINERS WHEN TRANSFERRING LIQUID.
Other Precautions:EXTEMELY FLAMMABLE. "EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS. FOLLOW ALL LABEL INSTRUCTIONS. KEEP OUT OF REACH OF CHILDREN. AVOID BREATHING VAPORS. DO NOT GET IN EYE, ON SKIN OR ON C LOTHING. DO NOT STORE ABOVE 120F.

=====
Exposure Controls/Personal Protection
=====

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL VAPOR CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR SHOULD BE WORN. IN EMERGENCY, WEAR NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS.
Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:RUBBER FOR REPEATED/PROLONGED CONTACT
Eye Protection:FULL-FACE SHIELD/CHEMICAL SPLASH GOGGLES
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING,

DRINKING/SMOKING.
Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:F2
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:156F,69C
Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN
Decomp Temp:Decomp Text:NOT KNOWN
Spec Gravity:0.709
Evaporation Rate & Reference:1.9 (N-BUTYL ACETATE=1)
Solubility in Water:NONE
Appearance and Odor:TRANSLUCENT LIQUID WITH CHARACTERISTIC MILD ODOR
Percent Volatiles by Volume:90

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:HIGH HEAT, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE MAY BE FORMED.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.
APPLICABLE CERCLA/RCRA HAZARDOUS WASTE CODES ARE: D001 (IGNITABILITY) AND U002 (ACETONE).

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B66C375
07 00

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER	B66C375	HMIS CODES	
		Health	1
		Flammability	0
		Reactivity	0
PRODUCT NAME	SHER-CLEAR* 1K Acrylic Clearcoat, Gloss		
MANUFACTURER'S NAME	THE SHERWIN-WILLIAMS COMPANY	EMERGENCY TELEPHONE NO.	(216) 566-2917
	101 Prospect Avenue N.W.		
	Cleveland, OH 44115		
DATE OF PREPARATION	05-MAR-06	INFORMATION TELEPHONE NO.	(216) 566-2902

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
1	34590-94-8	2-Methoxymethylethoxypropanol		
		ACGIH TLV	100 ppm (Skin)	0.4 mm
		ACGIH TLV	150 ppm (Skin) STEL	
		OSHA PEL	100 ppm (Skin)	
		OSHA PEL	150 ppm (Skin) STEL	
3	29911-28-2	1-(2-Butoxymethylethoxy)-propanol		
		ACGIH TLV	Not Available	0.06 mm
		OSHA PEL	Not Available	

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

Continued on page 2

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Section 4 -- FIRST AID MEASURES
=====

EYES: Flush eyes with large amounts of water for 15 minutes.
Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing.
Keep warm and quiet.

INGESTION: Do not induce vomiting.
Get medical attention immediately.

=====
Section 5 -- FIRE FIGHTING MEASURES
=====

FLASH POINT
Not Applicable

LEL	UEL
N.A.	N.A.

FLAMMABILITY CLASSIFICATION
Not Applicable

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Alcohol Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

=====
Section 6 -- ACCIDENTAL RELEASE MEASURES
=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

=====
Section 7 -- HANDLING AND STORAGE
=====

STORAGE CATEGORY
Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

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 Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

 Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	8.55 lb/gal	1025 g/l
SPECIFIC GRAVITY	1.03	
BOILING POINT	212 - 449 F	100 - 231 C
MELTING POINT	Not Available	
VOLATILE VOLUME	63 %	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
pH	8.0	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)		
1.06 lb/gal	127 g/l	Less Water and Federally Exempt Solvents
0.44 lb/gal	53 g/l	Emitted VOC

 Section 10 -- STABILITY AND REACTIVITY

STABILITY -- Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

Continued on page 4

HAZARDOUS POLYMERIZATION
Will not occur

Section 11 -- TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

TOXICOLOGY DATA

CAS No.	Ingredient Name			
34590-94-8	2-Methoxymethylethoxypropanol	LC50	RAT	4HR
		LD50	RAT	5135 mg/kg
29911-28-2	1-(2-Butoxymethylethoxy)-propanol	LC50	RAT	4HR
		LD50	RAT	Not Available

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

Section 14 -- TRANSPORT INFORMATION

No data available.

Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
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No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Continued on page 5

Section 16 -- OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.