Date of Preparation: January 2, 2013

MATERIAL SAFETY DATA SHEET

Use in case of an emergency only (613) 996-6666

SECTION I - PRODUCT AND PREPARATION INFORMATION 1C103

SCHWARTZ
ADVANCED CHEMISTRY SOLUTIONS

777 McKay Road
Pickering, Ontario
L1W 3A3 (905)683-0411

Prepared by: Technical Committee

TRADE NAME: **HI SOLIDS LACQUER GLOSS**
MANUFAC. CODE: **1C103**
PRODUCT CLASS: **UN1263 PAINT RELATED CLASS 3 PACKING GROUP II**
WHIMIS CLASS: **B D-2**

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	%	NATURE OF HEALTH HAZARD AND ROUTE OF ENTRY	TYPE OF HAZARD	EXPOSURE LIMIT	SOURCE	OTHER HAZARDS
BUTYL ACETATE	123-86-4	15-40	HARMFUL IF INHALED, IRRITANT SKIN CONTACT	ACUTE	150 PPM	TLV	
METHANOL	67-56-1	7 - 13	HARMFUL IF INHALED, IRRITANT SKIN CONTACT	ACUTE	200 PPM	TLV	POISON
GLYCOL ETHER PM ACETATE	108-65-6	.5 - 1.5	HARMFUL IF INHALED, IRRITANT SKIN CONTACT	ACUTE	50 PPM	PROV.	
BUTANOL	71-36-3	.5 - 1.5	HARMFUL IF INHALED, IRRITANT SKIN CONTACT	CHRONIC	50 PPM	TLV	ANEMIA
ISOPROPYL ACETATE	108-21-4	5 - 10	HARMFUL IF INHALED, IRRITANT SKIN CONTACT	ACUTE	250 PPM	TLV	
ISO PROPYL ALCOHOL	67-63-0	.5 - 1.5	CAUSES IRRITATION	ACUTE	400 PPM	TLV	
TOLUOL	108-88-3	30-60	HARMFUL IF INHALED, IRRITANT SKIN CONTACT	ACUTE	100 PPM	TLV	
ETHYL ALCOHOL	64-17-5	3 - 7	HARMFUL IF INHALED, IRRITANT SKIN CONTACT	ACUTE			
DIBUTYL PHTHALATE	84-74-2	1 - 5		ACUTE	5 Mg/M3	TLV	
NON-HAZARDOUS		15-40					

SECTION III - PHYSICAL DATA

ODOUR AND APPEARANCE	PH VALUE	PERCENT VOLATILE BY VOLUME	EVAPORATION RATE
ESTER		71%	GREATER THAN BUTYL ACETATE
CLEAR LIQUID			

BOILING POINT	VOC	FREEZING POINT	SPECIFIC GRAVITY
64°C	692 g/L	°C	0.93

SECTION IV - FIRE AND EXPLOSION HAZARDS

FLAMMABILITY CLASSIFICATION /	FLASHPOINT	HAZARDOUS COMBUSTION PRODUCTS
Class 3, Division 2	5 °C TAG CUP	CARBON DIOXIDE, CARBON MONOXIDE
		EXTINGUISHING MEDIA
		Foam, dry chemical, carbon dioxide or any class B extinguishing agent

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapours may ignite explosively. Vapours may spread long distances. Prevent build-up of vapours. Extinguish all pilot lights and turn off heaters, non-explosion-proof electrical equipment and all other sources of ignition. Keep away from and do not store or use near heat, sparks or flames caused by such sources as electricity, static discharge, welding, grinding or flamecutting operation. Ground all equipment. Use spark-proof tools and conductive shoes to avoid sparking hazards.

SPECIAL FIREFIGHTING PROCEDURES

Exposure to vapours or products of combustion should be avoided. Self-contained breathing apparatus is recommended. Vapours may form an explosive mixture with air. Closed containers may rupture when exposed to extreme heat.

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SECTION V - HEALTH HAZARD DATA: TOXICOLOGICAL PROPERTIES AND FIRST AID MEASURES

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ACUTE EFFECTS OF OVEREXPOSURE

INHALATION: Excessive exposure to vapours or spray mists can result in headache, dizziness, incoordination and loss of consciousness. Irritation of the eyes, nose, throat and lungs can also occur when exposed to high vapour concentrations. Some reports have associated repeated and prolonged occupational overexposure to solvents with permanent nervous system damage.

EYE CONTACT: This material can cause eye irritation. The effects are usually reversible.

SKIN CONTACT: This material may cause defatting and irritation of skin (Dermatitis) upon prolonged or repeated contact.

INGESTION: Swallowing can cause nausea, vomiting, diarrhea and loss of consciousness.

EMERGENCY AND FIRST AID PROCEDUES

INHALATION: Remove victim to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

SPLASH (EYES): Flush immediately with large amounts of water for at least 15 minutes. Take to a physician for medical treatment.

SPLASH (SKIN): Wash affected areas with soap and water. Remove contaminated clothing.

INGESTION: Drink 1 or 2 glasses of water to dilute. DO NOT INDUCE VOMITING. Consult a physician or Poison Control center immediately. Treat symptomatically.

CHRONIC EFFECTS OF OVEREXPOSURE	IRRITANT	SENSITIZER
n/av	YES: Skin and Eye	YES: Skin

SECTION VI - REACTIVITIY DATA

STABILITY:
Stable

HAZARDOUS POLYMERIZATIONS:
Will not occur

INCOMPATABILITY: (Materials to avoid)
Oxidizing compounds

CONDITIONS TO AVOID:
Vapour concentrations
Ignition sources

HAZARDOUS DECOMPOSITION PRODUCTS:
None known

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN in case material is Released or Spilled

Restrict access to area. Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as vermiculite or sand and place material into a closed container. If a large spill, dike area to prevent this material from entering water systems or sewers. Wear protective equipment during cleanup.

WASTE DISPOSAL METHOD

Dispose of this material in accordance with Federal, Provincial, and Municipal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTION EQUIPMENT

PROTECTIVE GLOVES:

Chemical reistant gloves made of Viton should be used. Gloves made of nitrile, neoprene or rubber may be used for exposure of short duration.

EYE PROTECTION:

Chemical safety goggles should be worn to prevent eye contact. A face shield may also be necessary.

OTHER PROTECTIVE EQUIPMENT:

Eye wash fountain and safety showers must be available in areas where this material is used. Wear protective clothing to prevent skin contact.

RESPIRATORY PROTECTION:

An organic vapour cartridge respiratory mask shall be worn to prevent the inhalation of vapours or spray mist when the TLB or PEL is exceeded. If respiratory protection is required, institute a complete repiratory protection program. Refer to the CSA Standard Z94.4 M1982 "Selection, Care and Use of Respirators" available from the Candadian Standard Association, Rexdale, Ontario. M9W 1R3

ENGINEERING CONTROLS - VENTILATION:

General (dilution) ventilation is required during normal use. Local exhaust ventilation may be required during certain operations to keep exposure level below the limit listed in Section II of this data sheet.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORAGE: Keep storage area separate from populated work areas. Store in a cool, dry, well ventilated area, out of direct sunlight and away from incompatible materials and any source of ignition. Ventilation fans and electrical equipment should be non-sparking.

HANDLING: Avoid prolonged or repeated inhalation of vapours or spray mist. Avoid prolonged or repeated skin contact. Ground and bond equipment and container to prevent a static charge build-up.

ATTENTION: Emptied containers may retain hazardous residue and explosive vapours. Keep away from heat, sparks and flames. Do not cut puncture or weld near this container. Follow label warning until container is thoroughly cleaned or destroyed.

OTHER PRECAUTIONS