M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT CODE: MP SERIES TOPCOAT PRODUCT NAME: HIGH SOLIDS 2K URETHANE

HMIS CODES: H F R P
2 3 0 K

========== SECTION I - MANUFACTURER IDENTIFICATION ==========

MANUFACTURER'S NAME: LUSID TECHNOLOGIES, INC.
ADDRESS : 5195 WEST 4700 SOUTH
: KEARNS, UT 84118
EMERGENCY PHONE : 800-535-5053
INFORMATION PHONE : 801-966-5300
NAME OF PREPARER: LUSID TECHNOLOGIES, INC.

========== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ==========

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP		WEIGHT PERCENT
MPB	**NA**			
METHYL n-AMYL KETONE	**110-43-0**	**2.14**	**20 C**	
ACGIH TLV 50 PPM				
OSHA PVEL 100 PPM				
SHS18	**NA**	**0**	**0**	
SHS26	**NA**	**0**	**0**	
SHS31	**NA**	**0**	**0**	
SHS33	**NA**	**0**	**0**	
SHS39	**NA**	**0**	**0**	
n-BUTYL ACETATE	**123-86-4**	**10**	**68 F**	
ACGIH TVL 100 PPM - TWA				
OSHA PEL 200 PPM - STEL				
SHS22	**NA**	**0**	**0**	
METHOXY PROPANOL ACETATE	**108-65-6**	**3.7**	**68 F**	
ACGIH TVL NE				
OSHA PEL NE				
SHS25	**NA**	**0**	**0**	
SHS14	**NA**	**0**	**0**	
SHS11	**NA**	**0**	**0**	
SHS19	**NA**	**0**	**0**	
SHS12	**NA**	**0**	**0**	
SHS00	**NA**	**0**	**0**	
TITANIUM DIOXIDE	**13463-67-7**			
OSHA PEL 15 mg/3m TWA				
ACGIH TLV 10 mg/3m TWA				
C I PIGMENT YELLOW 97	**12225-18-2**	**NA**		
ACGIH TLV 2 mg/m3 TWA RESPIRABLE DUST				
OSHA PEL 2 mg/m3 TWA RESPIRABLE DUST				
*** XYLENE**	**1330-20-7**	**19**	**100 F**	**1.169**
ACGIH TLV 100 PPM - TWA				
OSHA PEL 100 PPM - TWA				
ACRYLIC COPOLYMER RESIN	**NA**			
CARBON BLACK	**1333-86-4**	**NA**		**.26**
OSHA PEL 3.5 mg/m3				
ACGIH TLV 3.5 mg/m3				
LIGHT PETROLEUM DISTILLATE	**64742-47-8**	**2.6**	**20 C**	
OSHA PEL 200 PPM TWA				
ACGIH TLV 100 PPM TWA				
*** PETROLEUM NAPHTHA [65]**	**64742-95-6**	**.8**	**20 C**	**.21**
*** STYRENE MONOMER**	**100-42-5**	**4.3**		**.14**
ACGIH TLV 20 PPM				
OSHA PEL 50 PPM				

*** ETHYL BENZENE [65]**	**100-41-4**	**19**	**100 F**	**.121**
ACGIH TLV 100 PPM - TWA				
OSHA PEL 100 PPM - TWA				

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of SARA Title III and of 40 CFR 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 151.5 C - 2500-3000 C
SPECIFIC GRAVITY (H2O=1 G/L): 1.0505
VAPOR DENSITY: N/A
WEIGHT/GAL: 8.7473 lb/gl
COATING V.O.C.: 3.31 lb/gl
397 g/l
SOLUBILITY IN WATER: No
MATERIAL V.O.C.: 3.31 lb/gl
396 g/l
APPEARANCE AND ODOR: Opaque viscous liquid with organic solvent odor
EVAPORATION RATE: Slower than ether

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 42-45 C **METHOD USED: TCC**
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .6 **UPPER: 13.1**

EXTINGUISHING MEDIA:

Foam, Alcohol Foam, CO2, Dry Chemical, Water Fog

SPECIAL FIREFIGHTING PROCEDURES:

A self contained breathing apparatus should be worn. Although water may be ineffective, a water fog may be used to cool closed containers that are exposed to heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Pressure may build up in closed containers that are exposed to heat. Solvent vapors are heavier than air and may travel a considerable distance along the ground to an ignition source and flash back.

SECTION V - REACTIVITY DATA

STABILITY:

Stable

CONDITIONS TO AVOID:

Heat, sparks, open flame, static discharge.

INCOMPATIBILITY (MATERIALS TO AVOID):

None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Normal products of incomplete combustion

HAZARDOUS POLYMERIZATION:

Will not occur.

========== SECTION VI - HEALTH HAZARD DATA ==========

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Dizziness, headache, nausea, shortness of breath, solvent taste in mouth, narcosis, euphoria, or unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Burning sensation with reddening of the eyes, irritation, rash or burning sensation on the skin

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Gastrointestinal distress and symptoms of systemic poisoning

HEALTH HAZARDS (ACUTE AND CHRONIC):

ACUTE - Shortness of breath, burning sensation of respiratory passages, nausea, headache and increased proneness to accident.
CHRONIC - Narcosis, kidney and liver dysfunction with possible central nervous system effects.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Respiratory difficulty or pre-existing skin sensitization

EMERGENCY AND FIRST AID PROCEDURES:

IF AFFECTED BY INHALATION OF VAPORS - Move person to fresh air. Give oxygen if breathing is difficult. If breathing stops, apply artificial respiration and seek immediate medical attention.
EYE CONTACT - Flush with large quantities of water for 15 minutes and get medical attention.
SKIN CONTACT - Wash thoroughly with soap and water. Launder contaminated clothing and shoes before reuse.
INGESTION - Do NOT induce vomiting. Contact physician immediately. Never give anything by mouth to an unconscious person.

========== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Ventilate spill area, eliminate all sources of ignition. Confine spill as quickly as possible. Absorb with inert absorbent and dispose in accordance with local regulations for ignitable hazardous waste.

WASTE DISPOSAL METHOD:

Dispose of in accordance with federal, state or local regulations for ignitable hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in a cool dry place. Outside or detached storage is preferable. Inside should be in a standard flammable liquid storage room or cabinet. Ground containers when transferring liquid from one metal container to another. Do not reuse empty product container for any purpose.

OTHER PRECAUTIONS:

If a second component is added to this product, or if any additives or thinners are introduced into this product, read all product labels and all Material Safety Data Sheets prior to use.

========== SECTION VIII - CONTROL MEASURES ==========

RESPIRATORY PROTECTION:

Combination vapor-particulate respirator for use in solvent-containing environments is reccommended if ventilation is inadequate.

VENTILATION:

Local ventilation should be sufficient to reduce airborne vapor concentrations to below LEL and TLV to be considered adequate.

PROTECTIVE GLOVES:

Recommended where skin contact is likely. Use solvent resistant gloves such as nitrile rubber.

EYE PROTECTION:

Chemical splash goggles are recommended if potential for splashing into the eyes is high.