

_ MATERIAL SAFETY DATA SHEET _

MATRIX

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

HMIS CODES: **H** **F** **R** **P** **PAGE 1**
 1 0 0 C

PRODUCT NAME : Matrix (Gloss, Semi-Gloss, Satin)
IDENTIFICATION NUMBER : 6009, 6010, 6011
PRODUCT USE/CLASS : Waterborne Urethane Finish

Advantage Coatings
2350 W. Midway Blvd.
Broomfield, CO. 80020

EMERGENCY TELEPHONE: (303) 424-9300 INFORMATION PHONE: (303) 842-2385
PREPARED BY: SAFTY AND COMPLIANCE DEPT. PREPARE DATE: 1/09/05

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT% IN RANGE	VAPOR PRESSURE MM Hg	@TEMP
01	N-Methylpyrrolidone	872-50-4	5-<10%	0.00	0.00
02	Dipropylene Glycol MonoMethyEther	34590-94-8	1-<5%	0.04	77 deg F
03	Dipropylene Glycol n Butyl Ether	29911-28-2	1-<5%	0.06	20 deg c

EXPOSURE LIMITS

ITEM	ACGIH TLV-TWA	NIOSH REL	OSHA PEL
01-	1 ppm	N/A	N/A
02	N/A	N/A	N/A
03	N/A	N/A	N/A

SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 175 deg F-279 deg F SPECIFIC GRAVITY: (H2O=1): 1.026
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
SOLUBILIITY IN WATER: SOLUBLE
APPEARANCE AND ODOR: PRODUCTS IN THIS MSDS CLASSIFICATION MAY VARY FROM A
VISCIOUS TRANSPARENT LIQUID TO AN OPAQUE SEMIPASTE, HAVING AN ODOR
CHARATERISTIC OF LATEX WATERBORNE SYSTEMS.

- SECTION 4 – FIRE AND EXPLOSION HAZARD DATA -

NFPA 704 HAZARD RATING:

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HEALTH-1; FLAM-0; REACTIVITY-0; SPEC. HAZ.- N/A

FLASH POINT: N/A (WATERBORNE PRODUCT) METHOD: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: FOAM, ALOCOHOL, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS OPERATED IN PRESSURE DEMAND MODE. MSHA/NIOSH-APPROVED OR EQUIVALENT AND FULL PROTECTIVE GEAR.

UNUS UAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE OR BURST (DUE TO THE BUILD UP OF STEAM PRESSURE) WHEN EXPOSED TO EXTREME HEAT.

- SECTION 5 – REACTIVITY DATA -

STABILITY: STABLE

CONDITIONS TO AVOID

AVOID CONTAIMINATION WITH STRONG ALKALIES, STRONG MINERAL ACIDS, STRONG OXIDIZING AGENTS. DO NOT FREEZE.

INCOMPATIBILITY (MATERIALS TO AVOID)

NONE KNOWN.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS.

BURNING, INCLUDING WHEN HEATED BY WELDING OR CUTTING, WILL PRODUCE SMOKE, CARBON MONOXIDE AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: NOT EXPECTED TO OCCUR

- SECTION 6 – HEALTH HAZARD DATE -

INHALATION HEALTH RISKS AN DSYMPTOMS OF EXPOSURE:

VAPOR OR MIST MAY CAUSE HEADACHE NAUSEA, AND IRRITATION OF THE NOSE, THROAT AND LUNGS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SLIGHTLY IRRITATING TO THE EYES. FLUSH WITH WATER. CALL PHYSICIAN IF IRRITATION PERSISTS.

SKIN ABSORBTION HEALTH RISKS AND SYMTOMS OF EXPOSURE:

IRRITATING TO THE SKIN UPON REPEATED OR PROLONGED CONTACT.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: SEE ABOVE CHRONIC: NONE KNOWN

CARCINOGENICITY: NTP CARCINOGEN: NO

IARC MONGRAPHS: NO

OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PAGE 3
POSSIBLE ALLERGIC REACTIONS.

EMERGENCY AND FIRST AID PROCEDURES:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH MILD SOAP AND WATER.
REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. IF IN EYES: FLUSH
WITH LARGE AMOUNT OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET
MEDICAL ATTENTION. IF SWALLOWED: IMMEDIATELY DRINK TWO GLASSES OF WATER
AND GET MEDICAL ATTENTION. IF INHALED: REMOVE PERSON TO FRESH AIR, IF
NECESSARY APPLY ARTIFICIAL RESPIRATION AND /OR OXYGEN. GET MEDICAL
ATTENTION.

- SECTION 7- PRECAUTIONS FOR SAFE HANDLING AND USE -

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

CONFINE TO A SMALL AREA: USE ABSORBENT TO CLEAN UP. PLACE IN CONTAINER FOR
DISPOSAL.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
CONTACT LOCAL CHEMICAL WASTE COMPANY FOR FURTHER INFORMATION.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP MATERIAL FROM FREEZING AS PRODUCT MAY COAGULATE. DO NOT EXPOSE TO
EXTREME HEAT.

OTHER PRECAUTIONS:

N/A

- SECTION 8 - CONTROL MEASURES -

RESPIRATORY PROTECTION:

IF EXPOSURE LIMITS ARE EXCEEDED OR IF APPLIED BY SPRAYING, USE APPROPRIATE,
PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATOR. REFER TO OSHA 29 CFR 1910-134
"RESPIRATOR PROTECTION."

VENTILATION:

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION
TO MAINTAIN EXPOSURE BELOW THE LOWEST STATED TLV.

PROTECTIVE GLOVES:

WEAR RESISTENT GLOVES SUCH AS NITRILE RUBBER.

EYE PROTECTION:

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING
AND BOOTS.

WORK/HYGENIC PRACTICES:

EYE WASH AND SAFTY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

- SECTION 9 – DISCLAIMER -

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