

Material Safety Data Sheet

XIM Advanced Technology UMA #1105

Complies with OSHA's Hazard Communication Standard 29CFR 1910.1200

Quick Identifier, Common

Name: (Used on label and Data Sheet)

SECTION 1: PRODUCT IDENTIFICATION

Manufacturer's Name:	XIM Products, Inc.	Date Prepared:	01/10/05	Prepared By:	M. Jarufe
Address:	1169 Bassett Road	Up-dated:	01/10/05		
	Westlake, Ohio 44145	Product Class:	Water Based Acrylic Primer		
Emergency Calls:	(800) 424-9300	H.M.I.S. Health	1		
Information Calls:	(440) 871-4737	Flammability	0		
		Reactivity	0		

SECTION 2: INGREDIENTS

INGREDIENT	CAS NO.	OSHA PEL		ACGIH TLV	
		TWA	STEL	TWA	STEL

This product contains pigments that may be nuisance dust in dry powder form or when this product is sanded

DOT INFORMATION: 31 PAINT

32 PAINT

39 CONSUMER COMMODITY, ORM-D

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid	Appearance and Odor:	White color liquid, Sweet odor	
Boiling Range:	192-396 deg. F	Vapor Pressure:	N/A	
Vapor Density:	Heavier than air 3.8 (Air = 1)			
Evaporation Rate:	Slower than ether			
Weight per Gallon:	10.93 lb/gal			
Solubility in Water:	Infinitely			
VOC:	<180 g/l < 1.50 lb/gal			
Percent Volatile:	72.0 % by Volume			

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point:	>200 deg F	TCC (ASTM D-56)
Flammability Limits:	LEL - NA	UEL - NA
Extinguishing Media:	Not required	
Flammability Class:	DOT: Not regulated	OSHA: Not regulated

Special Fire Fighting Procedures:

Containers that are exposed to high heat should be kept cool with water.

Unusual Fire and Explosion Hazards: During a fire, vapors may form an explosive mixture in air. Closed containers may explode when exposed to extreme heat. Solvent vapors may be heavier than air. Vapors may build up and travel along the ground to an ignition source which may result in a flash back to the source of the vapors.

SECTION 5: HEALTH HAZARD DATA**Advanced Technology UMA #1105**

Routes of Entry: Inhalation, Skin Contact, Eye Contact from Liquid and vapors.

Effects of Overexposure:

Inhalation: Inhalation can cause irritation of the nose, throat and eyes may occur. Asthma-like breathing may be a delayed reaction. Other possible symptoms of overexposure may include headache, nausea, narcosis, fatigue and loss of appetite. Chronic exposure to solvents has been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include loss of memory, loss of motor ability and loss of coordination.

Eye Contact: Liquid and vapors are irritating to the eyes and can cause pain, tearing, reddening and swelling.

Skin Contact: May cause irritation or de-fatting of the skin upon prolonged or repeated contact. Repeated or prolonged skin contact can result in dry, defatted and cracked skin causing increased susceptibility to infection.

Ingestion: Ingestion can result in irritation in the mouth, stomach tissue and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea. Vomiting may cause aspiration resulting in chemical pneumonitis

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Asthma, other respiratory disorders (bronchitis, etc.), skin allergies, eczema.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush eyes with clean water for at least 15 minutes. Obtain medical attention.

Skin: Remove contaminated clothing immediately. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse. Obtain medical attention if irritation develops or persists.

Inhalation: Remove from exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention.

Ingestion: DO NOT INDUCE VOMITING. Give 1-2 glass of milk or water to drink. Consult a physician.

SECTION: 6: REACTIVITY DATA

Stability: This material is stable

Hazardous Polymerization: Will not occur

Decomposition Products: By high heat and fire: CO₂, CO and other toxic vapors and mist.

SECTION 7: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Remove sources of ignition. Provide ventilation and/or respiratory protection. Pick up large spills with non-sparking tools; small spills with an absorbent material. Wash down area with a liquid de-contaminant and flush spill area with water.

Waste Disposal Method: If discarded, treat this material and containers as a hazardous waste. Dispose of in accordance with local, state, and federal regulations. DO NOT INCINERATE IN CLOSED CONTAINERS.

For further information, contact the United States Environmental Protection Agency RCRA hotline (800) 242-9342.

SECTION 8: SPECIAL PROTECTION/SAFE HANDLING INFORMATION

Special Sensitivity: The container may pressurize when exposed to high heat. This can cause sealed containers to expand and possibly rupture.

Handling and Storage: Keep away from heat, sparks and open flame, Ground container during storage and transfer operations. When storing, tightly close containers to prevent moisture contamination. If contamination is suspect, do not reseal. Do not breathe vapors. Employee education and training in safe handling of this product are required under OSHA Hazard Communication Standard.

Respiratory Protection: Follow OSHA regulation 29CFR 1910.134 for respirator use. Where overspray is present, or if the concentration of solvents is not known or exceeds the level at which the air purifying respirator is effective, a positive pressure air-supplied respirator (TC19C NIOSH/MSHA) is recommended.

Ventilation: Designed and maintained to provide volume and pattern to prevent vapor concentration in excess of TLV or LEL

Protective Gloves: Neoprene or Rubber gloves

Eye Protection: Goggles or side-shield glasses

Other Precautions: Do not sand, flame cut, braze or weld dry coating without NIOSH/MSHA approved respirator or appropriate ventilation.

NOTE: Read MSDS completely before use and follow all label instructions.

Material Safety Data Sheet

XIM Advanced Technology UMA Aerosol # 1105

Complies with OSHA's Hazard Communication Standard 29CFR 1910.1200 Sheet)

Quick Identifier, Common Name: (Used on Label and Data

SECTION 1: PRODUCT IDENTIFICATION

Manufacturer's Name: XIM Products, Inc.
1169 Bassett Road
Westlake, Ohio 44145

Date Prepared: 01/10/05
Update: 01/10/05
Product Class: Modified Acrylic

Prepared By: M.Jarufe

Emergency Calls: (800) 424-9300
Information Calls: (440) 871-4737

H.M.I.S.

Health	2
Flammability	4
Reactivity	0

SECTION 2: INGREDIENTS

INGREDIENT	CAS NO.	OSHA PEL		ACGIH TLV		OTHER
		TWA	STEL	TWA	STEL	
Dimethyl Ether	115-10-6	1000 ppm		1000 ppm		
N-Butyl Alcohol	71-36-3	50 ppm		50 ppm		

Section 313 Notification per 40 CFR 372

DOT INFORMATION: 39 CONSUMER COMMODITY, ORM-D

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid
Boiling Range: 118-171 deg C
Vapor Density: > 1.0 (Air = 1)
Evaporation Rate: < 1.0 (N-Butyl Acetate = 1)
Weight per Gallon: 7.49 lb/gal
Solubility in Water: Infinitely
Percent VOC: 76.5 % by Weight

Appearance and Odor: White color liquid, solvent odor
Vapor Pressure: 50-60 PSIG @ 20 ° C
MIR: 1.4

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point: -25 deg. F
Flammability Limits: LEL - 0.9% UEL - 12.8 %
Extinguishing media: Dry chemical, CO2, Foam
Flammability Class: DOT: ORM-D OSHA: 1B

Special Fire Fighting Procedures: Use full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors. Use water spray only to keep down vapors or cool closed containers to prevent build-up of pressure. If water is used , fog nozzles are preferred.

Unusual Fire and Explosion Hazards: Contents are under pressure. Do not use or store near sources of heat, sparks or open flame. Keep away from any source of heat such as sunlight, heaters or stoves that could cause the container to burst. Do not puncture or incinerate. Do not crush or place in a garbage compactor. Do not store above 120° F. Aerosol containers may explode when exposed to extreme heat. Product vapors are heavier than air and may travel a long distance to a source of ignition and flash back.

SECTION 5: HEALTH HAZARD DATA**XIM Advanced Technology UMA Aerosol #1105**

Routes of Entry: Inhalation, Skin Contact, Eye Contact from Liquid and vapors, Ingestion.

Effects of Overexposure:

Inhalation - ACUTE: Exposure to high concentrations of vapors may cause dizziness, breathing difficulty, headaches or respiratory irritation. Extremely high concentrations may cause drowsiness, staggering, confusion, unconsciousness, coma or death.

Inhalation - CHRONIC: Chronic exposure to solvents has been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include loss of memory, loss of intellectual ability and loss of coordination.

Eye contact: May cause eye irritation.

Skin contact: Repeated or prolonged skin contact can result in dry, defatted and cracked skin causing increased susceptibility to infection.

Ingestion: Ingestion can result in irritation in the mouth, stomach tissue and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea. Vomiting may cause aspiration resulting in chemical pneumonitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Heart Disease, Respiratory Disorders.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush eyes with clean water for at least 15 minutes. Obtain medical attention.

Skin: Remove contaminated clothing immediately. Wash affected areas thoroughly with soap and water. Obtain medical attention if irritation develops or persists.

Inhalation: Remove from exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention.

Ingestion: DO NOT INDUCE VOMITING. Consult a physician immediately

SECTION 6: REACTIVITY DATA

Stability: This material is stable.

Materials to avoid: Strong oxidizing agents

Hazardous Polymerization: Will not occur.

Decomposition Products: By high heat and fire: CO₂, CO and other toxic vapors and mist.

SECTION 7: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions for handling and storage: Keep away from fire, sparks, high temperatures and open flame. Store at temperatures below 120° F. **DO NOT SMOKE WHILE SPRAYING OR HANDLING!**

Other precautions: Use explosion proof ventilation as required to control vapor concentrations. When spraying more than one-half can continuously or more than one can consecutively, use NIOSH approved respirator. Remove all sources of heat, sparks, flame and ignition.

Steps to take in case of spills: Use absorbent sweeping compound to soak up material.

Waste Disposal Method: Put into containers to dispose as hazardous waste in accordance with EPA, FEDERAL, STATE and local regulations.

For further information, contact the United States Environmental Protection Agency RCRA hotline (800-242-9342).

SECTION 8: SPECIAL PROTECTION/SAFE HANDLING INFORMATION

Special Sensitivity: **INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THIS PRODUCT CAN BE HARMFUL OR FATAL.**

Handling and Storage: Store the container in a cool dry area. Ventilation should be suitable for storing materials as in Section 2. **STORE OUT OF THE REACH OF CHILDREN.**

Respiratory Protection: Use NIOSH /MSHA TC23c RESPIRATOR. Use self-contained breathing apparatus when area has restricted ventilation and/or vapor concentration is above TLV limit.

Ventilation: Use sufficient ventilation, in volume and pattern, to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.

Protective Gloves: Chemical resistant plastic or rubber gloves recommended for prolonged or repeated contact.

Eye Protection: Chemical goggles with side shields or face shield recommended if contact with the eyes is likely.

NOTE: Read MSDS completely before use and follow all label instructions.