# **MATERIAL SAFETY DATA SHEET**

Page 1 of 7

MSDS-136

Prep	ared to OSHA,	ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standa	ards MS	DS Revision: 2.0	MSDS	Revision Date:	01/20/2010
		1. PRODUCT	<b>IDENTIF</b>	ICATION			
1.1	Product Name:						
	<b>AXXIUM</b> (	CLEAR OVERLAY GEL					
1.2	Chemical Name: METHACRYLAT	E MIXTURE					
1.3	Synonyms:						
1.4	Trade Names: AX202, AX204	, AX 208					
1.5	Product Use: PROFESSIONA	L USE ONLY					
1.6	Manufacturer's Na						
1.7	Manufacturer's Ac	dress: Y STREET, NO. HOLLYWOOD, CA 91605 USA					
1.8	Emergency Phone CHEMTREC:	+1 (703) 527-3887 / +1 (800) 424-9300					
1.9	Business Phone:						
	+1 (818) 759-2	400 / +1 (800)-341-9999					
		2. HAZARD I	DENTIF	CATION			
2.1	Hazard Identificati	on:					
		s classified as a HAZARDOUS SUBSTANCE but N (2004) and ADG Code (Australia).	IOT as DA	NGEROUS GOODS	according t	to the classific	ation criteria of
2.2	Routes of Entry:	Inhalation: YES		Absorption: YI	ES	Ingestion:	YES
2.3	Effects of Exposure	:					
	INGESTION:	If product is swallowed, may cause nausea depression.	, headac	he, vomiting and/	or diarrhea	and central	nervous system
	SKIN & EYES:	Irritating to the eyes. Symptoms of overexporirritating to skin in some sensitive individuals, es					ering. May be
	INHALATION:	Inhalation of vapors is unlikely under normal co the levels listed in Section 2 (Composition and	Ingredier				
2.4	Symptoms of Over	(e.g., drowsiness, dizziness, headaches, nausea	1).				
2.4	Symptoms of	skin overexposure in some sensitive individue in eyes may cause redness, itching and waterin		include redness,	itching, and	l irritation of	affected areas.
2.5	Acute Health Effects:						
	Mild to moder	ate irritation to eyes and skin near affected area	s.				
2.6	Chronic Health Effe	ects:					
	None known.						
2.7	Target Organs:						
	Eyes, skin.						
NA =	Not Available; NE	D = Not Determined; NE = Not Established; NF = Not Four	nd; C = Ceili	ng Limit; See Section 1	6 for Addition	al Definitions of T	erms Used

NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.

# MATERIAL SAFETY DATA SHEET

Page 2 of 7

MSDS-136

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.0 MSDS Revision Date: 01/20/2010 3. COMPOSITION & INGREDIENTS EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC **OSHA** ppm **OTHER** ppm ppm FS-ES-FS-% CHEMICAL NAME(S) CAS No. RTECS No. **EINECS No.** TLV **STEL TWA** STEL **PEAK** PEL **STEL IDLH** POLYURETHANE ACRYLATE NA NA NA NA NA NF NF NF ≤85.0 NΔ ΝΔ NΔ **OLIGOMERS** HYDROXYPROPYL METHACRYLATE 27813-02-1 UD3442500 213-090-3 ≤15.0 NA NA NF NF NF NA NA NA ISOBORNYL METHACRYLATE 7534-94-3 NA 231-403-1 NA NA NF NF ≤15.0 NF NA NA NA HYDROXYETHYL METHACRYLATE 868-77-9 OZ4725000 212-782-2 ≤15.0 NA NA NF NF NF NA NA NA (HEMA) **GLYCOL HEMA-METHACRYLATE** 97-90-9 OZ2440000 202-617-2 NA NA NF NF NF ≤15.0 NA NA NA HYDROXYCYCLOHEXYL PHENYL 947-19-3 NA 213-426-9 ≤10.0 NA NA NF NF NF NA NA NA **KETONE** 4. FIRST AID MEASURES First Aid: INGESTION: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. EYES: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician. SKIN: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. INHALATION: Remove victim to fresh air. 4 2 Medical Conditions Aggravated by Exposure: HEALTH 1 None known. 1 **FLAMMABILITY** REACTIVITY 1 В PROTECTIVE EQUIPMENT **EYES SKIN** 5. FIREFIGHTING MEASURES Flashpoint & Method: 5.1 N/D 5.2 Autoignition Temperature: NA 5.3 Flammability Limits: Lower Explosive Limit (LEL): Upper Explosive Limit (UEL): 5.4 Fire & Explosion Hazards: Exothermic polymerization may cause containers to rupture. Cool containers with water to prevent polymerization. 5.5 Extinguishing Methods CO<sub>2</sub>, Halon, Dry Chemical, Foam Firefighting Procedures: This product is a combustible liquid. When involved in a fire, this product may ignite readily and decompose to produce carbon oxides. First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.

# **MATERIAL SAFETY DATA SHEET**

Page 3 of 7

MSDS-136

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards

MSDS Revision: 2.0

MSDS Revision Date:

01/20/2010

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Spills

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.

For small spills (e.g., <1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

## 7. HANDLING & STORAGE INFORMATION

7.1 Work & Hygiene Practices:

Avoid prolonged contact with the product. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

7.2 Storage & Handling

Keep this material away from heat, sparks and open flame. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care.

Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Store away from incompatible materials (see Section 10, Stability and Reactivity). Material should be stored in secondary containers as appropriate.

7.3 Special Precautions:

Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Ventilation & Engineering Controls:

When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

8.2 Respiratory Protection:

No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.

8.3 Eye Protection:

Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166.

8.4 Hand Protection

If anticipated that prolonged & repeated skin contact will occur during use of this product, wear neoprene or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada or the E.C. member states.

8.5 Body Protection

No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.

# **MATERIAL SAFETY DATA SHEET**

Page 4 of 7

MSDS-136

		A DUVISION A CUENTON DE OPERTIES		
	T	9. PHYSICAL & CHEMICAL PROPERTIES		
1	Density:	1.1100		
2	Boiling Point:	> 212 °F		
3	Melting Point:	NE NE		
4	Evaporation Rate:	NE NE		
5	Vapor Pressure:	NE NE		
6	Molecular Weight:	NE NE		
7	Appearance & Color:	Clear viscous gel.		
8	Odor Threshold:	Characteristic acrylate odor.		
7	Solubility:	Immiscible.		
10	рН	ND ND		
11	Viscosity:	60,000 cPs		
12	Other Information:	ND ND		
		10. STABILITY & REACTIVITY		
.1	Stability:	onditions when stored properly (see Section 7, Storage and Handling).		
.2	Hazardous Decomposition Produ			
	·	high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxid		
3				
		o extremely high temperatures.		
	Conditions to Avoid: None known. Incompatible Substances:	o extremely high temperatures.		
	Conditions to Avoid: None known. Incompatible Substances: This product is incompa	tible with alkaline metals, strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric g bases (e.g., lye, potassium hydroxide).		
).4	Conditions to Avoid: None known. Incompatible Substances: This product is incompa	tible with alkaline metals, strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric		
	Conditions to Avoid: None known. Incompatible Substances: This product is incompa muriatic acids), or strong  Toxicity Data: This product has NOT be	tible with alkaline metals, strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric g bases (e.g., lye, potassium hydroxide).		
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# **MATERIAL SAFETY DATA SHEET**

Page 5 of 7

MSDS-136

Prep	ared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards   MSDS Revision: 2.0   MSDS Re	evision Date:	01/20/2010
	12. ECOLOGICAL INFORMATION		
12.1	Environmental Stability:		
12.1	There are no specific data available for this product.		
12.2	Effects on Plants & Animals:  There are no specific data available for this product.		
12.3	Effects on Aquatic Life:	<del></del>	
12.3	There are no specific data available for this product; however, very large releases of this product overexposed aquatic life.	may be harmf	ul or fatal to
	13. DISPOSAL CONSIDERATIONS		
13.1	Waste Disposal:		
10.1	Waste disposal must be in accordance with appropriate federal, state, and local regulations.		
13.2	Special Considerations:		
	NA		
	14. TRANSPORTATION INFORMATION		
Thok	pagia description (ID Number, proper chipping name, hazard class & division, pagking group) is shown for a	ach made of tr	ansportation
	pasic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for extinal descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	acii iiiode oi li	arispurtation.
14.1	49 CFR (GND):		
	NOT REGULATED		
14.2	IATA (AIR):	1	
	NOT REGULATED		
14.3	IMDG (OCN):		
	NOT REGULATED		
14.4	TDGR (Canadian GND):		
	NOT REGULATED		
14.5	ADR/RID (EU):		
	NOT REGULATED		
14.6	MEXICO (SCT):		
	NOT REGULATED		
14.7	ADGR (Australia):		
	NOT REGULATED		
	15 DECILIATORY INFORMATION		
П	15. REGULATORY INFORMATION		
15.1	SARA Reporting Requirements:		
	NA .		
15.2	SARA Threshold Planning Quantity:		
15.0	There are no specific Threshold Planning Quantities for the components of this product.		
15.3	TSCA Inventory Status:  The components of this product are listed on the TSCA Inventory as appropriate.		
15.4	The components of this product are listed on the TSCA Inventory as appropriate.  CERCLA Reportable Quantity (RQ):		
13.4	NA		
15.5	Other Federal Requirements:		
15.5	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchap	oter G (Cosmetic	cs)
15.6	Other Canadian Regulations:	l (Cosmen	<u> </u>
10.0	This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of		-)
	the information required by the CPR. The components of this product are listed on the DSL/NDSL. None	( )	)
	of the components of this product are listed on the Priorities Substances List.	·	
15.7	State Regulatory Information:		
	None of the ingredients in this mixture are listed in any state criteria lists.	1	
15.8	67/548/EEC (European Union) Requirements:		
	The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC.		
	(Xi) Irritant. R: 36/38-43 Irritating to eyes and skin. May cause sensitization by skin contact. Discontinue use if sensitization occurs. S: 2-20-26 Keep out of reach of children. When using do not eat or drink. If accidental eye contact occurs, flush with water for at least 15 minutes and get prompt medical attention.		

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+1 (310) 360-5700 fax

http://www.shipmate.com/

# **MATERIAL SAFETY DATA SHEET**

Page 6 of 7

MSDS-136

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.0 MSDS Revision Date: 01/20/2010 16. OTHER INFORMATION 16.1 Other Information Keep out of reach of children. Do not take internally. Keep away from heat and open flame. 16.2 Please see last page of this MSDS. 16.3 Disclaimer This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & OPI Products' knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition. Prepared for: OPI Products, Inc. 13034 Saticoy Street  $O \cdot P \cdot I$ No. Hollywood, CA 91605 USA +1 (818) 759-2400 phone +1 (818) 759-5770 fax http://www.opi.com/ Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, OR. 97759-0787 +1 (310) 360-3700 phone

Training & Consulting

# **MATERIAL SAFETY DATA SHEET**

Page 7 of 7

MSDS-136

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.0

MSDS Revision Date:

01/20/2010

## **DEFINITION OF TERMS**

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

#### **GENERAL INFORMATION:**

CAS No.	Chemical Abstract Service Number

## **EXPOSURE LIMITS IN AIR:**

ACGIH	ACGIH American Conference on Governmental Industrial Hygienist	
TLV Threshold Limit Value		
OSHA U.S. Occupational Safety and Health Administration		
PEL Permissible Exposure Limit		
IDLH Immediately Dangerous to Life and Health		

#### FIRST AID MEASURES:

CPR	Cardiop	ulmona	ry resu	uscitation -	method in	which a	person
	whose	heart	has	stopped	receives	manual	chest
	compre	ssions a	nd bre	eathing to	circulate blo	ood and p	orovide
	ovvden	to the h	odv	_			

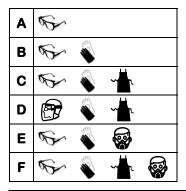
#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

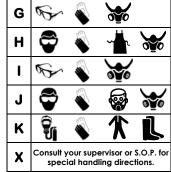
## **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



## PERSONAL PROTECTION RATINGS:







## OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

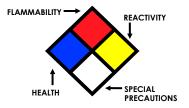
### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

#### FLAMMABILITY LIMITS IN AIR:

Autoignition Minimum temperature required to initiate combi			
Temperature	<b>Temperature</b> in air with no other source of ignition		
LEL	Lower Explosive Limit - lowest percent of vapor in air, by		
	volume, that will explode or ignite in the presence of		
	an ignition source		
UEL	Upper Explosive Limit - highest percent of vapor in air,		
	by volume, that will explode or ignite in the presence of		
	an ignition source		

#### HAZARD RATINGS:

Minimal Hazard		
Slight Hazard		
Moderate Hazard		
Severe Hazard		
Extreme Hazard		
Acidic		
Alkaline		
Corrosive		
Use No Water		
Oxidizer		



### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD <sub>lo</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or
TC, TC <sub>o</sub> , LC <sub>lo</sub> , & LC <sub>o</sub>	toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log K <sub>ow</sub> or log K <sub>oc</sub>	Coefficient of Oil/Water Distribution

## **REGULATORY INFORMATION:**

WHMIS	Canadian Workplace Hazardous Material Information System	
DOT	U.S. Department of Transportation	
TC	Transport Canada	
EPA	<b>EPA</b> U.S. Environmental Protection Agency	
DSL	Canadian Domestic Substance List	
NDSL	Canadian Non-Domestic Substance List	
PSL	SL Canadian Priority Substances List	
TSCA	U.S. Toxic Substance Control Act	
EU	Furopean Union (European Union Directive 67/548/EEC)	

## **EC INFORMATION:**

		*	*		X	×	X
С	E	F	N	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful