



## MATERIAL SAFETY DATA SHEET



73014; X-98

### 1. Identification of the Product and Company

**Product Code & Product Name:** 73014; X-98

**Company:** Akzo Nobel - Awlgrip North America  
2270 Morris Avenue  
Union, NJ 07083  
Tel. 888 355 3090; Fax 908 686 1752  
Health & Safety Information 847 623 4200

**Emergency:** Emergency telephone (US) CHEMTREC - 800 424 9300  
Emergency telephone (Outside US) CHEMTREC - 703 527 3887  
NOTE: CHEMTREC numbers to be used only in the event of emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

**Product Use:** Coating

### 2. Composition / Information on Ingredients

Chemical Name	CAS Number	WT %	ACGIH TLV	ACGIH TLV	OSHA PEL C	OSHA PEL
			TWA	STEL		TWA
ETHYL 3-ETHOXYPROPIONATE	763-69-9	30-60	N.D.	N.D.	N.D.	N.D.
TOLUENE	108-88-3	30-60	50 ppm	N.D.	300 ppm	200 ppm
DIBUTYLTIN DILAURATE	77-58-7	1-5	0.1 mg/m <sup>3</sup>	0.2 mg/m <sup>3</sup>	N.D.	0.1 mg/m <sup>3</sup>

### 3. Hazards Identification

**\*\*\* Emergency Overview \*\*\*** ----- clear liquid with ester odor ----- Class IB - Flammable Liquid -----

**Potential Health Effects - Eye:** Severe irritation with redness, pain, tearing and the possibility of significant injury after direct splash to eye. Vapors may cause eye irritation with redness and minor discomfort of the eye.

**Potential Health Effects - Skin:** Severely irritating to the skin. Prolonged contact may cause burns with redness and pain. May cause dry skin by dissolving skin oils. Product can be absorbed through the skin, but no adverse health effects are expected with normal occupational exposure.

**Potential Health Effects - Inhalation:** Severely irritating to nose, throat or breathing passages. May cause coughing or tightness in chest. May cause unconsciousness by depressing the central nervous system after prolonged exposure to high concentrations. May increase risk for sudden death from irregular heart rhythms caused by stressful conditions that increase the levels of adrenalin in the blood.

**Potential Health Effects -Ingestion:** Moderately irritating to the mouth, stomach, and digestive system. No ingestion exposure expected with normal occupational use.

**Potential Health Effects - Chronic Hazards:** Eye effects from chronic exposure are unknown. Frequent or prolonged skin contact may cause irritation or a rash (dermatitis). May cause slight increase in liver size without affecting the function of the liver. May cause small changes in the hearing system. Chronic inhalation may lower the count of certain types of blood cells. Chronic alcohol use can increase the potential for toxicity from the repeated exposure to the aromatic hydrocarbon in this product. May accumulate in the body with daily exposure. Chronic ingestion exposure would be unlikely due to the method of use or physical properties of this product.

**The components listed in Section 2 may affect the following target organs:** Central Nervous System. Eyes. Kidneys. Liver. Respiratory System. Skin.

**Primary Route(s) Of Entry:** Skin Contact, Skin Absorption, Inhalation, Eye Contact

### 4. First Aid Measures

**First Aid - Eye Contact:** If this product contacts the eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention.

**First Aid - Skin Contact:** If this product contacts the skin, promptly wash the contaminated skin with soap & water. If this product penetrates the clothing, promptly remove the clothing and wash the skin with soap & water. If irritation persists after washing, get medical attention. Launder clothing before reuse.

**First Aid - Inhalation:** If a person breathes large amounts of this product, move the exposed person to fresh air at once. If breathing is difficult, get medical attention.

**First Aid - Ingestion:** If this product has been swallowed, get medical attention immediately.

## 5. Fire-Fighting Measures

**Flash Point (F):** 45  
**LOWER EXPLOSIVE LIMIT:** 1.0  
**UPPER EXPLOSIVE LIMIT:** 7.0

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, Foam

**Unusual Fire And Explosion Hazards:** Flammable Liquid. Vapors are heavier than air and may travel to a source of ignition and flash back.

**Special Fire Fighting Procedures:** Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus.

## 6. Accidental Release Measures

**Steps To Be Taken If Material Is Released Or Spilled:** Eliminate all ignition sources. Stop or control the spill, if this can be done without undue risk. Do not allow material to enter sewers or ground. Isolate discharged material for proper disposal. Wear appropriate personal protective equipment.

## 7. Handling and Storage

**Handling:** Grounding or bonding of containers is recommended before material transfer.

**Storage:** Store in a dry, cool and well-ventilated area.

## 8. Exposure Controls / Personal Protection

**Engineering Controls:** It is recommended that work be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

**Respiratory Protection:** Appropriate respirators must be used, and a program that follows 29 CFR 1910.134 or other applicable regulatory requirements must be followed, when workplace hazards warrant the use of a respirator. NIOSH-approved or other appropriate respirators must be used when respiratory protection is necessary.

**Eye Protection:** Wear appropriate goggles, face shields or other PPE, which will be effective under the circumstances if the possibility of contact exists. A program meeting 29 CFR 1910.133 or other applicable regulatory requirements must be followed when PPE is necessary.

**Other Protective Equipment:** Use impermeable gloves and protective clothing as necessary to prevent skin contact.

**Hygienic Practices:** Do not eat, drink, chew tobacco or gum, or apply cosmetics while working with this product. Wash hands before performing any of these activities.

## 9. Physical and Chemical Properties

### *Theoretical Values*

<b>Boiling Range (F):</b>	212 - 329	<b>VOC (g/l)(less water &amp; exempt):</b>	889
<b>Freeze Point (F):</b>	N.D.	<b>VOC (lb/gal)(less water &amp; exempt):</b>	7.4
<b>Specific Gravity:</b>	0.9	<b>% Solids By Weight:</b>	3
<b>Appearance:</b>	clear	<b>% Solids By Volume:</b>	2
<b>Physical State:</b>	liquid	<b>Density (lb/gal):</b>	7.6
<b>Odor:</b>	ester		

## 10. Stability and Reactivity

**Conditions To Avoid:** Avoid contact with heat, open flame, sparks, or ignition sources.

**Hazardous Polymerization:** Will not occur.

**Stability:** Stable.

## 11. Toxicological Information

Chemical Name	LD50	LC50	IARC	NTP	OSHA
ETHYL 3-ETHOXYPROPIONATE	Oral Rat: 5 gm/kg	N.D.			
TOLUENE	N.D.	Inhalation Rat: 49 gm/m3/4H			
DIBUTYL TIN DILAURATE	Oral Rat: >2000 mg/kg	N.D.			

## 12. Ecological Information

Akzo Nobel has not conducted specific studies on the eco toxicity or environmental fate of this product. Commonly available data on certain ingredients indicate that acute or chronic effects could result from uncontrolled releases to soil, ground water, storm waters, or air. Appropriate measures should be taken to prevent uncontrolled releases. Prompt containment and clean up should be performed if releases do occur.

## 13. Disposal Considerations

Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable federal, state, and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product. Do not dispose of in an uncontrolled manner.

## 14. Transport Information

<b>DOT Proper Shipping Name:</b>	Paint Related Material	<b>IATA Proper Shipping Name:</b>	Paint Related Material	<b>IMO Proper Shipping Name:</b>	Paint Related Material
<b>DOT Hazard Class:</b>	3	<b>IATA Hazard Class:</b>	3	<b>IMO Hazard Class:</b>	3
<b>DOT UN Number:</b>	UN1263	<b>IATA UN Number:</b>	UN1263	<b>IMO UN Number:</b>	UN1263
<b>DOT Packing Group:</b>	II	<b>IATA Packing Group:</b>	II	<b>IMO Packing Group:</b>	II
<b>Resp. Guide Page:</b>	N/A	<b>IATA Hazard Subclass:</b>	N/A	<b>Marine Pollutant:</b>	No

Chemical Name	CAS Number	RQ (lbs)
TOLUENE	108-88-3	1000

## 15. Regulatory Information

### U.S. FEDERAL REGULATIONS: As follows -

CERCLA - SARA Hazard Category: This product is considered, under applicable definitions, to meet the following categories: IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and 40 CFR 372:

Chemical Name	313 Category	CAS Number	WT %
TOLUENE		108-88-3	47.3

Clean Air Act: This product contains the following chemical substances listed as Hazardous Air Pollutants (HAPs) under the Clean Air Act of 1990:

Chemical Name	HAP Category	CAS Number	WT %
TOLUENE		108-88-3	47.3

Toxic Substances Control Act: All the components of this product comply with applicable requirements of the US EPA TSCA inventory. Does not contain chemicals known to be subject to TSCA 12b.

### U.S. STATE REGULATIONS: As follows -

California Proposition 65: WARNING: This product contains chemicals known to the State of CA to cause cancer and birth defects or other reproductive harm.

### INTERNATIONAL REGULATIONS: As follows -

Canadian WHMIS Class: B2, D2

Canadian DSL - All the components of this product are listed or are exempt from listing.

European EINECS - All the components of this product are listed or are exempt from listing.

Korean Inventory - All the components of this product are listed or are exempt from listing.

Australian AICS - All the components of this product are listed or are exempt from listing.

## 16. Other Information

National Paint & Coatings Association (NPCA) Hazardous Material Identification System (HMIS):

Health: 2

Flammability: 3

Reactivity: 0

Personal Protection: See Section 8

**Legend:** N.A. - Not Applicable, N.D. - Not Determined

This MSDS relates only to the specific material identified in Section 2. In compiling this MSDS, Akzo Nobel has relied in good faith on information provided to Akzo Nobel by suppliers of the components of this material, and, in some cases, provided by independent data resources. Akzo Nobel has not independently verified such information, and, in addition, users should be aware that all materials may present unknown hazards. Use of this material in combination with other materials and/or in specific processes may render information set forth in the MSDS inaccurate or otherwise invalid. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE REGARDING THE INFORMATION FURNISHED ON THIS MSDS.

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