



# Material Safety Data Sheet AC-<sup>®</sup> 730 Class B Base

MSDS No: 37302-08  
Effective: 01/27/09  
Supercedes: 11/16/07  
Page: 1 of 5

SIN #834-100

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product ID: AC-730 Class B Base  
Generic Description: Polysulfide sealant  
Product Use: Aircraft sealant

For information, contact:  
Advanced Chemistry & Technology  
7341 Anaconda Avenue  
Garden Grove, CA 92841-2921  
714 - 373 - 2837

**ChemTrec Emergency**  
1 - 800 - 424 - 9300

HAZARD RATINGS		
	HMIS	NFPA
Health	1*	1
Fire	1	1
Reactivity	0	0
* = Chronic		

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME  
Calcium carbonate  
Zinc salt  
Non-hazardous and other ingredients below reportable levels

CAS #	Approximate % (w/w)
471 - 34 - 1	20 - 30
Proprietary	1 - 5
Proprietary	Balance

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** MAY CAUSE MODERATE EYE IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE DIGESTIVE TRACT IRRITATION. INGESTION MAY CAUSE NAUSEA, VOMITING, PAIN, UPSET STOMACH, DIARRHEA. INHALATION MAY CAUSE NAUSEA AND UPSET STOMACH. MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION. See sections 3, 5, & 6.

**PRIMARY ROUTES OF EXPOSURE:** Eye. Skin.

**EYE CONTACT:** May cause moderate irritation. May cause corneal opacity (clouding of the eye surface). Can cause burning sensation, tearing, and redness.

**SKIN CONTACT:** Irritating to the eyes, nose, and respiratory tract.

**INHALATION (Breathing):** Irritating to the eyes, nose, and respiratory tract.

**INGESTION (Swallowing):** Irritating to the mouth, throat, and stomach. May cause nausea, pain, and stomach upset (e.g., diarrhea).

**TARGET ORGANS/CHRONIC EFFECTS:** Liver. Kidneys. Eyes. Skin.

**CONDITIONS AGGRAVATED BY EXPOSURE:** Nervous system. Skin.

**CARCINOGENICITY:**

	ACGIH	IARC	NTP	OSHA
Calcium carbonate	No	No	No	No
Zinc salt	No	No	No	No

## 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN CONTACT:** Immediately flush with water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re-use.

**INHALATION (Breathing):** Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.



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**INGESTION (Swallowing):** Seek medical attention. Immediately induce vomiting, as directed by medical personnel. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIANS:** Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

### 5. FIRE FIGHTING METHODS

Flash Point: > 230°F  
Explosive Limits: LEL(%) Not Applicable  
Autoignition: Not Applicable

Method: Setflash Closed Cup  
UEL(%) Not Applicable

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.). Formaldehyde and/or other aldehydes. Oxides of sulfur. Hydrogen sulfide.

**FIRE AND EXPLOSION HAZARDS:** High temperatures can cause sealed containers to rupture due to a build up of internal pressure. Cool with water. During a fire, irritating and highly toxic gases may be generated during combustion or decomposition.

**EXTINGUISHING MEDIA:** SMALL FIRES: Dry chemical, carbon dioxide, halon, water spray, or foam. LARGE FIRES: Water spray, fog, or alcohol foam.

**FIRE FIGHTING PROCEDURES/EQUIPMENT:** Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**EVACUATION:** Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition.

**CONTAINMENT:** Safely stop discharge. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewers or bodies of water.

**CLEAN-UP/PERSONAL PROTECTION EQUIPMENT:** Appropriate safety measures and protective equipment should be used. Use supplied air respirator or self-contained breathing apparatus in enclosed spaces or if airborne exposure limits can be exceeded. See Section 8.

**COLLECTION AND DISPOSAL:** Stop discharge, if safe to do so. Use proper protective equipment. Cover spills with absorbent clay or sawdust and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.

**REPORTING:** Spills of this material in excess of a component's RQ must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations.

### 7. HANDLING AND STORAGE

Storage Temperature < 110F 43.3C

**STORAGE CONDITIONS:** Store in cool, dry, well ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed.

**TRANSFER:** No special precautions are needed. Follow good manufacturing and handling practices.

**PERSONAL HYGIENE:** Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles face-shield, and gloves. Professionally launder contaminated clothing before re-use.

**EMPTY CONTAINER PRECAUTIONS:** Attention! This container can be hazardous when empty. Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption or where skin contact can occur.

**SPECIAL INSTRUCTIONS:** See container and/or technical data sheet for instructions on use.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### EXPOSURE GUIDELINES:

##### ACGIH - TLV

Calcium carbonate

10 mg/M<sup>3</sup> Total dust

##### OSHA - PEL

Calcium carbonate

5 mg/M<sup>3</sup> Resp. dust

**ENGINEERING CONTROLS/VENTILATION:** Local exhaust ventilation is recommended when vapors, mists, or dusts can be released in excess of established airborne exposure limits (TLVs or PELs).

**EYE PROTECTION:** Wear chemical splash goggles or safety glasses with side shields. An eye wash facility should be readily available.

**SKIN PROTECTION:** Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation. Neoprene gloves. Butyl rubber gloves.

**RESPIRATORY PROTECTION:** Avoid breathing vapor and/or mists. Wear NIOSH/MSHA-approved equipment. Determine the appropriate type by consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Beige  
Physical State: Paste  
pH: Not Applicable  
Vapor Density: Heavier than air  
VOC Material: 3.0 g/l (0.025 lb/gal)  
%Non-Vol (w/w): 98

Odor: Mercaptan  
Solubility: Insoluble  
Vapor Pressure: Not Established  
Evaporation Rate: Not Applicable  
Specific Gravity: 1.50

**NOTE:** The physical data presented above are typical values and should not be construed as a specification.

### 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal conditions of use.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** High temperatures.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizers. Reducers. Acids. Strong bases. Amphoteric metals (i.e., copper, aluminum, and zinc). Peroxides.

### 11. TOXICITY INFORMATION

#### COMPONENTS:

##### Calcium carbonate:

Repeated exposure to dusts can lead to particulate deposition in the lungs (i.e., pneumoconiosis).

##### Zinc salt:

May cause transient irritation to eyes and/or skin. Zinc salts may cause liver and kidney damage.

### 12. ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The Product must not be allowed to run into drain or waterways.

#### Ecotoxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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## 13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with all local, state, and federal regulations.

GENERAL STATEMENTS: Federal regulations may apply to empty container. State and/or local regulations may be different.

GENERAL RECOMMENDATIONS: Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) recycle or rework, if feasible; (2) incinerate at an authorized facility; or (3) treat at an acceptable waste treatment facility.

SPECIAL INSTRUCTIONS: Be sure to contact the appropriate government environmental agencies if further guidance is required.

## 14. TRANSPORT INFORMATION

Weight (lb.)	Shipping Name	49 CFR	IATA	IMO
	Non-regulated	N	N	N
DOT Label.....:	Not applicable	UN/NA Id Num...:	Not Applicable	

All the information in this section is for non-bulk packaging (119 gallons or less; 882 lbs. or less for solids).

## 15. REGULATORY INFORMATION

### FEDERAL:

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### SARA Title III - Section 311/312 - Hazard Categories:

- N - Fire Hazard
- N - Sudden Release of Pressure Hazard
- N - Reactivity Hazard
- Y - Immediate (acute) Health Hazard
- Y - Delayed (chronic) Health Hazard

Ozone-Depleting Chemicals - No regulated ingredients.

SARA Section 302 Extremely Hazardous Mat

SARA Section 313 Toxic Chemicals

- Zinc salt
- Zinc compounds

CHEMICAL LISTING - Listed on the following Country's Chemical Inventories:

United States Toxic Substance Control Act

Chemical component(s) in this product are on the section 8(b) Chemical Substance Inventory List (40 CFR 710).

### STATE RIGHT-TO-KNOW:

Pennsylvania - New Jersey R-T-K

Calcium carbonate

Zinc salt

Environmental and Special Hazard.

Non-hazardous trade secret ingredient(s)

California - California Proposition 65

471 - 34 - 1	20 - 30
Proprietary	1 - 5
Proprietary	Balance



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**WARNING:** This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

Formaldehyde 50 - 00 - 0 \*Trace  
Cancer Hazard  
\* Trace = present at less than 0.01 percent

CONEG - No data available.

**CANADA:**  
This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).  
Class D Division 2 Sub-division A Class D Division 2 Sub-division B

**CEPA - NPRI**  
Zinc salt  
Zinc compounds

**EUROPEAN COMMUNITY**

### Particular hazards associated with the preparation and safety recommendations:

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
S37/39 Wear suitable gloves and eye/face protection.  
S29 Do not empty into drains



Xi Irritant



N Dangerous for Environment

## 16. OTHER INFORMATION

**USER RESPONSIBILITY:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to our customers or employees, as the case may be.

**DISCLAIMER OF LIABILITY:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of safety of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

End of Material Safety Data Sheet



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## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

SIN #834-100

Product ID: AC-730 Accelerator  
Generic Description: Blend of metallic oxides  
Product Use: Accelerator

For information, contact:  
Advanced Chemistry & Technology  
7341 Anaconda Avenue  
Garden Grove, CA 92841-2921  
714 - 373 - 2837

ChemTrec<sup>®</sup> Emergency  
1 - 800 - 424 - 9300

HAZARD RATINGS		
	HMIS	NFPA
Health	1*	1
Fire	1	1
Reactivity	0	0
* = Chronic		

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME  
Manganese oxide  
Terphenyl, hydrogenated  
Terphenyl  
Non-hazardous and other ingredients below reportable levels

CAS #	Approximate % (w/w)
1313 - 13 - 9	45 - 55
61788 - 32 - 7	35 - 45
26140 - 60 - 3	1 - 5
Proprietary	Balance

## 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: INHALATION MAY CAUSE DIZZINESS, HEADACHE AND LOSS OF COORDINATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE DIGESTIVE TRACT IRRITATION. INGESTION MAY CAUSE NAUSEA, VOMITING, PAIN, UPSET STOMACH, DIARRHEA. INHALATION MAY CAUSE NAUSEA, VOMITING, UPSET STOMACH. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. See sections 3, 5, & 6.

PRIMARY ROUTES OF EXPOSURE: Eye. Skin. Inhalation (breathing).

EYE CONTACT: May cause slight to mild irritation. Can cause burning sensation, tearing, and redness.

SKIN CONTACT: May cause slight to mild irritation.

INHALATION (Breathing): Irritating to the eyes, nose, and respiratory tract. Can cause dizziness, headaches, and loss of coordination. Nausea, vomiting, and stomach upset can occur.

INGESTION (Swallowing): Irritating to the mouth, throat, and stomach. May cause nausea, vomiting, pain, and stomach upset (e.g., diarrhea).

TARGET ORGANS/CHRONIC EFFECTS: Liver. Kidneys. Nervous system. Blood and/or blood-forming organs. Lungs and respiratory system. Eyes. Skin.

CONDITIONS AGGRAVATED BY EXPOSURE: Liver. Kidneys. Lungs and respiratory system. Skin.

### CARCINOGENICITY:

	ACGIH	IARC	NTP	OSHA
Manganese oxide	No	No	No	No
Terphenyl, hydrogenated	No	No	No	No
Terphenyl	No	No	No	No



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### 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**SKIN CONTACT:** Immediately flush with water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re-use.

**INHALATION (Breathing):** Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

**INGESTION (Swallowing):** Seek medical attention. Immediately induce vomiting, as directed by medical personnel. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIANS:** Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

### 5. FIRE FIGHTING METHODS

Flash Point.....:	> 200F 93.3C	Method.....:	Other
Explosive Lmts:	LEL(%) Not Established UEL(%) Not Established		
Autoignition.....:	Not Established		

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.). Metallic oxides.

**FIRE AND EXPLOSION HAZARDS:** During a fire, irritating and highly toxic gases may be generated during combustion or decomposition.

**EXTINGUISHING MEDIA:** SMALL FIRES: Dry chemical, carbon dioxide, halon, water spray, or foam. LARGE FIRES: Water spray, fog, or alcohol foam.

**FIRE FIGHTING PROCEDURES/EQUIPMENT:** Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**EVACUATION:** Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition.

**CONTAINMENT:** Safely stop discharge. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewers or bodies of water.

**CLEAN-UP/PERSONAL PROTECTION EQUIPMENT:** Appropriate safety measures and protective equipment should be used. Use supplied air respirator or self-contained breathing apparatus in enclosed spaces or if airborne exposure limits can be exceeded. See Section 8.

**COLLECTION AND DISPOSAL:** Shovel or vacuum material and place in chemical waste containers. Dispose of according to applicable local, state and federal regulations. (See section 13).

**REPORTING:** Spills of this material in excess of a component's RQ must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations.



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## 7. HANDLING AND STORAGE

Storage Temperature < 100°F 37.8C

**STORAGE CONDITIONS:** Store in cool, dry, well ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed.

**TRANSFER:** No special precautions are needed. Follow good manufacturing and handling practices.

**PERSONAL HYGIENE:** Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles faceshield, and gloves. Professionally launder contaminated clothing before re-use.

**EMPTY CONTAINER PRECAUTIONS:** Attention! This container can be hazardous when empty. Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption or where skin contact can occur.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### ACGIH - TLV

Manganese oxide, Dusts and compounds, as Mn	5 mg/M <sup>3</sup>
Manganese oxide, as Mn Fume	1 mg/M <sup>3</sup>
Terphenyl, hydrogenated	0.5 ppm - Ceiling
Terphenyl	0.53 ppm - Ceiling

#### OSHA - PEL

Manganese oxide, as Mn Fume	1 mg/M <sup>3</sup>
Terphenyl, hydrogenated	0.5 ppm
Terphenyl	0.5 ppm - Ceiling

**ENGINEERING CONTROLS/VENTILATION:** Local exhaust ventilation is recommended when vapors, mists, or dusts can be released in excess of established airborne exposure limits (TLVs or PELs).

**EYE PROTECTION:** Wear chemical splash goggles. An eye wash facility should be readily available.

**SKIN PROTECTION:** Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.

**RESPIRATORY PROTECTION:** Avoid breathing vapor and/or mists. Wear NIOSH/MSHA-approved equipment. Determine the appropriate type by consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black	Odor: Amine, mild
Physical State: Paste	Solubility: Insoluble
pH: Not Applicable	Vapor Pressure: 0.1 mm Hg
Vapor Density: > 1	Evaporation Rate: < 1 (Butyl acetate)
VOC Material: 0	VOC coating: 0 g/L
Specific Gravity: 1.58	%Non-Vol(w/w)...: 100

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal conditions of use.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** High temperatures.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Oxidizers. Acids. Peroxides.





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## 11. TOXICITY INFORMATION

### COMPONENTS:

Manganese Dioxide  
Eye, skin, and respiratory tract irritant. Can cause liver and kidney injury.

### Terphenyl, hydroperoxide:

Oral LD50	Rat	17,500	mg/kg
	Mouse	12,500	mg/kg
Dermal LD50	Rabbit	> 2,000	mg/kg

### Terphenyl:

Oral LD50	Rat	13,200	mg/kg
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## 12. ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

### Ecotoxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with all local, state, and federal regulations.

GENERAL STATEMENTS: Federal regulations may apply to empty container. State and/or local regulations may be different.

GENERAL RECOMMENDATIONS: Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) recycle or rework, if feasible; (2) incinerate at an authorized facility; or (3) treat at an acceptable waste treatment facility.

SPECIAL INSTRUCTIONS: Be sure to contact the appropriate government environmental agencies if further guidance is required.

## 14. TRANSPORT INFORMATION

Weight (lb.)	Shipping Name	49 CFR	IATA	IMO
	Not Regulated	Y	Y	Y

DOT Label: Not applicable

UN/NA Id Num.: Not Applicable

All the information in this section is for non-bulk packaging (119 gallons or less; 882 lbs. or less for solids).

## 15. REGULATORY INFORMATION

### FEDERAL:

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### SARA Title III - Section 311/312 - Hazard Categories:

- N - Fire Hazard
- N - Sudden Release of Pressure Hazard
- N - Reactivity Hazard
- Y - Immediate (acute) Health Hazard
- Y - Delayed (chronic) Health Hazard

Ozone-Depleting Chemicals - No regulated ingredients.



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SARA Section 312 Extremely Hazardous Mat - No regulated ingredients.

SARA Section 313 Toxic Chemicals  
Manganese oxide

CHEMICAL LISTING - Listed on the following Country's Chemical Inventories:

United States Toxic Substance Control Act  
Chemical component(s) in this product are on the section 8(b) Chemical Substance Inventory List (40 CFR 710).

**STATE RIGHT-TO-KNOW:**

Pennsylvania - New Jersey R-T-K

Manganese oxide	1313 - 13 - 9	45 - 55
Terphenyl, hydrogenated	61788 - 32 - 7	35 - 45
Terphenyl	26140 - 60 - 3	1 - 5
Environmental Hazard.		

Non-hazardous secret ingredient(s) Proprietary Balance

California - California Proposition 65 - No regulated ingredients.

CONEG - No data available.

**CANADA:**

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).

Class - Division 2 Sub-division B

**CEPA - NPR:**

Manganese oxide

**EUROPEAN COMMUNITY:**

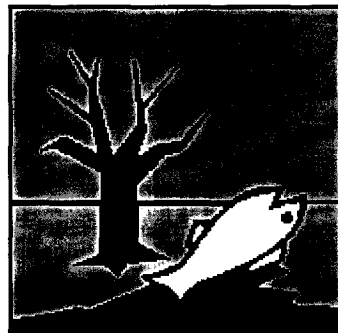
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R20/22 Harmful by inhalation and if swallowed.

S36/37 Wear suitable protective clothing and gloves.



Xi Irritant



N Dangerous for Environment



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### 16. OTHER INFORMATION

**USER RESPONSIBILITY:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

**DISCLAIMER OF LIABILITY:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

**End of Material Safety Data Sheet**