MATERIAL SAFETY DATA SHEET

Sales Order: {SalesOrd}

Trilux 33 Aerosol White

MSDS Revision No: A1 –3
MSDS Revision Date: 11/07/2011

Akzo Nobel Coatings
International Paint LLC
2270 Morris Avenue
P. O. Box 386
Union, NJ 07083

EMERGENCY NUMBERS:

(800) 424–9300	CHEMTREC (USA)
(703) 527–3887	CHEMTREC (Intl)
(800) 854–6813	Poison Control Center
CUSTOMER SERVICE:	(Non–Emergency)
(800) 589–1267	International Paint
(800) 631–7481	Interlux

1. GENERAL INFORMATION

Product Identity: Trilux 33 Aerosol White

Bulk Sales Reference No: YBA068A

IMPORTANT: Read this MSDS before handling or disposing of this product, and provide this information to the employee, customers, and users of this product. PLEASE NOTE THE MSDS REVISION NUMBER AT THE TOP OF THIS PAGE. If the MSDS Revision Number posted at the top of this page does not match the MSDS Revision Number on the product label, please contact Customer Service at the phone number included above for the correct MSDS. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard.

NOTICE: OSHA hazardous chemicals are listed in Section 2 if present at 1% or more. Carcinogens and extraordinarily/special hazardous chemicals are listed in Section 2 if present at .1% or more. Additional regulatory information for specific chemical categories is included in Section 15.

2. HAZARDOUS INGREDIENT INFORMATION

CAS No.	Ingredient Name & %	Source	Exposure Data
0000067–64–1	Acetone 25 – 50% by Weight	OSHA:	1000 ppm TWA; 2400 mg/m3 TWA2400 mg/m3 STEL (The acetone STEL does not apply to the cellulose acetate fiber industry. It is
		ACGIH:	500 ppm TWA750 ppm STEL
		NIOSH:	250 ppm TWA; 590 mg/m3 TWA2500 ppm IDLH (10% LEL)
		Supplier:	No Established Limit
		OHSA, CAN:	500 ppm TWA750 ppm STEL
		Mexico:	1000 ppm TWA; 2400 mg/m3 TWA1260 ppm STEL; 3000 mg/m3 STEL
		Brazil:	780 ppm TWA; 1870 mg/m3 TWA
		Source	Health Data
		NIOSH:	Narcosis; CNS depression; eye nose
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
0000100–41–4	Benzene, ethyl– 1.0 – 10% by Weight	OSHA:	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL
		ACGIH:	100 ppm TWA125 ppm STEL
		NIOSH:	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL800 ppm IDLH (10% LEL)
		Supplier:	No Established Limit
		OHSA, CAN:	100 ppm TWA125 ppm STEL
		Mexico:	100 ppm TWA; 435 mg/m3 TWA125 ppm STEL; 545 mg/m3 STEL
		Brazil:	78 ppm TWA; 340 mg/m3 TWA
		Source	Health Data
		NIOSH:	Eye skin
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: Yes

		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: Yes; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
0001111–67–7	Thiocyanic acid, copper(1+) salt 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
0001314–13–2	Zinc oxide 1.0 – 10% by Weight	OSHA:	5 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)10 mg/m3 STEL (fume)
		ACGIH:	2 mg/m3 TWA (respirable fraction)10 mg/m3 STEL (respirable fraction)
		NIOSH:	5 mg/m3 TWA (dust and fume)10 mg/m3 STEL (fume)15 mg/m3 Ceiling (dust)500 mg/m3 IDLH
		Supplier:	No Established Limit
		OHSA, CAN:	2 mg/m3 TWA (respirable)10 mg/m3 STEL (respirable)
		Mexico:	5 mg/m3 TWA (fume); 10 mg/m3 TWA (dust)10 mg/m3 STEL (fume)
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Metal fume fever
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
0001330–20–7	Xylenes (o–, m–, p– isomers) 1.0 – 10% by Weight	OSHA:	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL
		ACGIH:	100 ppm TWA150 ppm STEL
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	100 ppm TWA150 ppm STEL
		Mexico:	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL
		Brazil:	78 ppm TWA; 340 mg/m3 TWA
		Source	Health Data
		NIOSH:	Central nervous system depressant; respiratory and eye irritation
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
0008047–99–2	ETHYLTOLUENESULFONAMIDE 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
0008050–09–7	Rosin 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	exposure by all routes should be carefully controlled to levels as low as possible
		Mexico:	0.1 mg/m3 TWA (as Formaldehyde)
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
0013463–41–7	Zinc pyrithione 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
0013463–67–7	Titanium dioxide 1.0 – 10% by Weight	OSHA:	15 mg/m3 TWA (total dust)
		ACGIH:	10 mg/m3 TWA
		NIOSH:	5000 mg/m3 IDLH
		Supplier:	No Established Limit
		OHSA, CAN:	10 mg/m3 TWA (total dust)
		Mexico:	10 mg/m3 TWA (as Ti)20 mg/m3 STEL (as Ti)

		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Lung tumors in animals
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: Yes
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: Yes; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
0068476−85−7	L.P.G. (liquified petroleum gas) 10 − 25% by Weight	OSHA:	1000 ppm TWA; 1800 mg/m3 TWA
		ACGIH:	1000 ppm TWA (listed under Aliphatic hydrocarbon gases: Alkane C1−4)
		NIOSH:	1000 ppm TWA; 1800 mg/m3 TWA2000 ppm IDLH
		Supplier:	No Established Limit
		OHSA, CAN:	1000 ppm TWA
		Mexico:	1000 ppm TWA; 1800 mg/m3 TWA1250 ppm STEL; 2250 mg/m3 STEL
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Asphyxia CNS depression
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

3. HAZARD IDENTIFICATION

Overview:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.		
Inhalation:	Harmful if inhaled. May cause lung injury. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.		
Eyes:	Risk of serious damage to eyes. Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site−specific condition of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thouroughly cleaned, or discarded after each use.		
Skin:	Causes skin irritation. May cause allergic skin reaction. Repeated contact can cause dermatitis. May be harmful if absorbed through the skin.		
Ingestion:	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.		
Chronic Effects:	Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.		
HMIS Rating:	Health: 2	Flammability: 3	Reactivity: 0

4. FIRST AID MEASURES

General:	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion:	If swallowed, immediately contact Poison Control Center at 1−800−854−6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

5. PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory:	Select equipment to provide protection from the ingredients listed in Section 2 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1−800−243−4630, in Canada call 1−800−267−4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.
Eyes:	Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site−specific condition of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thouroughly cleaned, or discarded after each use. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site−specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin/Hand:	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site−specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls:	Prevent build−up of vapors by opening all windows and doors to achieve cross−ventilation.
Other Work Practices:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

6. FIRE AND EXPLOSION INFORMATION

Flash Point:	F: −156 C: −104
Lower Explosive Limit (LEL):	1 (%vol in air) at Normal Atmospheric Temp and Pressure
Fire and Explosion Hazards:	Extremely flammable liquid and vapor. Vapors may cause flash fire. FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.
Fire Fighting Procedures:	Also Reference Emergency Response Guide Number: Not Determined

7. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid White
pH:	No Established Limit
Specific Gravity:	0.856544
Boiling Point (F):	133
Vapor Density:	Heavier than air
VOC Content (lbs):	Refer to the Technical Data Sheet for this product.
Evaporation Rate:	Slower than ether
VOHAP content (gm/litre of paint):	83.01 (as supplied)
VOHAP content (gm/litre of Solid Coating):	724.14 (as supplied)

8. STABILITY AND REACTIVITY DATA

General:	This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decompostion:	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

9. HANDLING AND STORAGE

Storage Temperature:	Store between 40−100F (4−38C).
Handling and Storage Precautions:	Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite explosively. Prevent build−up of vapors by opening all windows and doors to achieve cross−ventilation. Do not get in eyes, on skin or clothing. Close container after each use. Wash thoroughly after handling.

10. TOXICOLOGICAL DATA

General:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No additional information provided for this product. See Section 2 for chemical specific data.

11. ECOLOGICAL DATA

General:	Not Defined No additional information provided for this product. See Section 2 for chemical specific data.

12. ACCIDENTAL RELEASE MEASURES

Spill Response Procedures:	ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non−sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non−combustible material and transfer to containers. Use non−sparking tools to collect absorbed material.
Public Safety:	CALL CHEMTREC at (800)−424−9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet). Also, Reference Emergency Response Guide Number: Not Determined

13. DISPOSAL CONSIDERATION

Waste Disposal:	Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. TRANSPORTATION INFORMATION

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name: AEROSOL		IMDG Proper Shipping Name: AEROSOL	
DOT Hazard Class:	2.1	IMDG Hazard Class:	2.1 FLAMMABLE GAS
UN / NA Number:	UN1950	UN Number:	UN1950
DOT Packing Group:		IMDG Packing Group:	
CERCLA/DOT RQ:	183 gal. / 1307 lbs.	System Reference Code:	702

15. REGULATORY INFORMATION

Regulatory Overview:	The regulatory data in Section 15 is not intended to be all−inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory. **Note:** Any chemical ingredients listed in Section 15, that do not also appear in Section 2, are contained in the product at a concentration below the applicable OSHA threshold level of 1% or 0.1%.

WHMIS Classification:	No Established Limit
Regulatory List	Product Ingredients on List
DOT Marine Pollutants (10%):	
(No Product Ingredients Listed)	
DOT Severe Marine Pollutants (1%):	
(No Product Ingredients Listed)	
EPCRA 311/312 Chemicals and RQs (>.1%) :	
0000067−64−1	Acetone : 5000 lb final RQ; 2270 kg final RQ
0000100−41−4	Benzene, ethyl− : 1000 lb final RQ; 454 kg final RQ
0001330−20−7	Xylenes (o−, m−, p− isomers) : 100 lb final RQ; 45.4 kg final RQ
EPCRA 302 Extremely Hazardous (>.1%) :	
(No Product Ingredients Listed)	
EPCRA 313 Toxic Chemicals (>.1%) :	
0000100−41−4	Benzene, ethyl−
0001330−20−7	Xylenes (o−, m−, p− isomers)
Mass RTK Substances (>1%) :	
0000067−64−1	Acetone
0000100−41−4	Benzene, ethyl−
0068476−85−7	L.P.G. (liquified petroleum gas)
0013463−67−7	Titanium dioxide
0001330−20−7	Xylenes (o−, m−, p− isomers)
0001314−13−2	Zinc oxide
Mass Extraordinarily Haz Sub (>.01%) :	
(No Product Ingredients Listed)	
Penn RTK Substances (>1%) :	
0000067−64−1	Acetone
0000100−41−4	Benzene, ethyl−
0068476−85−7	L.P.G. (liquified petroleum gas)
0013463−67−7	Titanium dioxide
0001330−20−7	Xylenes (o−, m−, p− isomers)
0001314−13−2	Zinc oxide
Penn Special Hazardous Substances (>.01%) :	
(No Product Ingredients Listed)	
Rhode Island Hazardous Substances (>.1%) :	
0000067−64−1	Acetone
0000100−41−4	Benzene, ethyl−
0068476−85−7	L.P.G. (liquified petroleum gas)
0013463−67−7	Titanium dioxide
0001330−20−7	Xylenes (o−, m−, p− isomers)
0001314−13−2	Zinc oxide
RCRA Status (%):	
0007440−43−9	Cadmium : .00029
0007439−92−1	Lead : .00347
N.J. RTK Substances (>1%) :	
0000067−64−1	Acetone
0000100−41−4	Benzene, ethyl−
0068476−85−7	L.P.G. (liquified petroleum gas)
0013463−67−7	Titanium dioxide
0001330−20−7	Xylenes (o−, m−, p− isomers)
0001314−13−2	Zinc oxide
N.J. Special Hazardous Substances (>.01%) :	
0000067−64−1	Acetone
0000100−41−4	Benzene, ethyl−
0068476−85−7	L.P.G. (liquified petroleum gas)
0000080−62−6	Methyl methacrylate
0001330−20−7	Xylenes (o−, m−, p− isomers)

N.J. Env. Hazardous Substances (>.1%) :	
0000100−41−4	Benzene, ethyl−
0001330−20−7	Xylenes (o−, m−, p− isomers)
Proposition 65 − Carcinogens (>0%):	
0007440−43−9	Cadmium
0000100−41−4	Benzene, ethyl−
0007439−92−1	Lead
0014808−60−7	Quartz
Proposition 65 − Female Repro Toxins (>0%):	
0007439−92−1	Lead
0000108−88−3	Benzene, methyl−
Proposition 65 − Male Repro Toxins (>0%):	
0007440−43−9	Cadmium
0007439−92−1	Lead
Proposition 65 − Developmental Toxins (>0%):	
0007440−43−9	Cadmium
0007439−92−1	Lead
0000108−88−3	Benzene, methyl−

16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Head Office

International Paint, LLC, 6001 Antoine Drive, Houston, Texas 77091. http://www.international−pc.com or http://www.international−marine.com

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