MATERIAL SAFETY DATA SHEET

10P30-5; Corrosion Resistant Primer

1. Identification of the Product and Company

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Product Code & Name:	**10P30-5; Corrosion Resistant Primer**
Manufacturer:	AkzoNobel Aerospace Coatings, a division of International Paint LLC 1 East Water Street Waukegan, IL 60085 USA Tel. 847 623 4200 Fax 847 625 3200
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 Revision Date: 11/18/2009

2. Hazards Identification

*** Emergency Overview *** ------ green liquid with ketone odor ------ ------ Class IB - Flammable Liquid ------ ----Keep away from heat, sparks and flame.----

Potential Acute Health Effects

Eye: Moderate irritation with redness and minor discomfort after direct splash to eye.

Skin: Moderately irritating with possible redness and discomfort. May cause dry skin by dissolving skin oils. Contains a component which can be absorbed through the skin in harmful amounts. Contains a component which may cause allergic skin reaction. Contains a component which may cause skin sensitization.

Inhalation: Moderately irritating to nose, throat or breathing passages. May cause unconsciousness by depressing the central nervous system after prolonged exposure to high concentrations.

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

Potential Chronic Health Effects

Eye: Chronic exposure can cause redness and irritation of the membrane that covers the eyeball and the inside of the eyelids (conjunctivitis).

Skin: Frequent or prolonged skin contact may cause irritation or a rash (dermatitis).

Inhalation: Chronic exposure may cause problems of the liver and bile duct system. Tolerance may develop from repeated exposure during the workweek to the solvents in this product. Tolerance may be lost after weekends or other periods of absence from the workplace.

Ingestion: Chronic ingestion exposure would be unlikely due to the method of use or physical properties of this product.

The components listed in Section 3 may affect the following target organs: Central Nervous System. Eyes. Kidneys. Liver. Peripheral Nervous System. Respiratory System. Skin.

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

3. Composition / Information on Ingredients

Chemical Name	CAS Number	WT %
BISPHENOL A - EPICHLOROHYDRIN POLYMER	25068-38-6	10-30
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	10-30
SILICATE, MICA	12001-26-2	10-30
METHYL AMYL KETONE	110-43-0	7-13
CYCLOHEXANONE	108-94-1	5-10
TITANIUM DIOXIDE	13463-67-7	5-10
ZINC CHROMATE	13530-65-9	3-7
STRONTIUM CHROMATE	7789-06-2	3-7
METHYL ISOBUTYL KETONE	108-10-1	3-7

EPOXY-TERMINATED POLYSULPHIDE POLYMER	117527-71-6	1-5
ETHYLBENZENE	100-41-4	0.1-1.0

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

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Flash Point (F): 60

Auto Ignition Temperature (F): N.D.

LOWER EXPLOSIVE LIMIT:

UPPER EXPLOSIVE LIMIT:

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

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

Conditions of Flammability: Vapors are heavier than air and may travel to a source of ignition and flash back.

Hazardous Combustion Products: Combustion may produce carbon monoxide, carbon dioxide and irritating or toxic vapors and gases.

Explosion Data - Sensitivity to Mechanical Impact: Avoid any sparking between metals. Use of non-sparking tools is recommended.

Explosion Data - Sensitivity to Static Discharge: To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

6. Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8. Evacuate personnel to safe areas.

Environmental Precautions: Do not allow material to enter sewers or ground.

Methods for Containment: Ventilate area to maintain exposure below permissible exposure limits. Stop or control the spill, if this can be done with undue risk.

Methods for Clean-Up: Eliminate all ignition sources. Use caution as spill may create a slip hazard. Isolate discharge material for proper disposal. Use spark-proof tools to containerize. Wipe, scrape, or soak up in an inert material. Wash spill area with soap and water.

7. Handling and Storage

Handling: Grounding or bonding of containers is recommended before material transfer. Activities such as sanding, burning off, etc, of paint films may generate dust and/or fumes hazardous to the skin and lungs. Sanding dust may contain levels of unreacted materials which may cause irritation and sensitization; these are highest in the first 24/48 hours after application. Work in well ventilated areas. Use local exhaust ventilation and personal skin and respiratory protective equipment as appropriate. Take precautionary measures against electrostatic discharges. Store away from heat, sparks, open flame and other ignition sources. Use non-sparking tools. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

Storage: Store inside between 40F-100F. Storage areas should be dry and well-ventilated. Eliminate all ignition sources.

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. Use explosion-proof ventilation equipment.

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.

Chemical Name	CAS Number	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL C	OSHA PEL TWA
BISPHENOL A - EPICHLOROHYDRIN POLYMER	25068-38-6	N.D.	N.D.	N.D.	N.D.
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	0.025 mg/m3	N.D.	N.D.	0.1 mg/m3
SILICATE, MICA	12001-26-2	3 mg/m3	N.D.	N.D.	N.D.
METHYL AMYL KETONE	110-43-0	50 ppm	N.D.	N.D.	100 ppm
CYCLOHEXANONE	108-94-1	25 ppm	N.D.	N.D.	50 ppm
TITANIUM DIOXIDE	13463-67-7	10 mg/m3 dust	N.D.	N.D.	15 mg/m3 dust
ZINC CHROMATE	13530-65-9	0.05 mg/m3 Cr	N.D.	N.D.	0.005 mg/m3 Cr
STRONTIUM CHROMATE	7789-06-2	.0005 mg/m3 Cr	N.D.	1mg/m3	.0005 mg/m3 Cr
METHYL ISOBUTYL KETONE	108-10-1	50 ppm	75 ppm	N.D.	100 ppm
EPOXY-TERMINATED POLYSULPHIDE POLYMER	117527-71-6	N.D.	N.D.	N.D.	N.D.
ETHYLBENZENE	100-41-4	100 ppm	125 ppm	N.D.	100 ppm

9. Physical and Chemical Properties

Theoretical Values

Boiling Range (F):	223 - 500	VOC (g/l)(less water & exempt):	340
Freeze Point (F):	N.D.	VOC (lb/gal)(less water & exempt):	2.8
Specific Gravity:	1.5	% Solids By Weight:	77
Appearance:	green	% Solids By Volume:	60
Physical State:	liquid	Density (lb/gal):	12.3
Odor:	ketone	Flashpoint (F):	60
Odor Threshold (ppm):	N.D.	Vapor Pressure:	N.D.
Vapor Density:	< 3.90	Evaporation Rate:	N.D.
pH:	N.A.	Coefficient of water/oil distribution:	N.D.

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10. Stability and Reactivity

Conditions To Avoid: Avoid contact with heat, open flame, sparks, or ignition sources. Open flames and sparks.

Hazardous Polymerization: Will not occur.

Stability: Stable.

11. Toxicological Information

Chemical Name	LD50	LC50	IARC	NTP	OSHA
BISPHENOL A - EPICHLOROHYDRIN POLYMER	Oral Rat: >1 gm/kg	N.D.			
CRYSTALLINE SILICA (QUARTZ)	Oral rat: 500 mg/kg	N.D.	Group 1	Anticipated Carc	

SILICATE, MICA	N.D.	N.D.			
METHYL AMYL KETONE	Oral Rat: 1600 mg/kg	N.D.			
CYCLOHEXANONE	Oral Rat: 1620 uL/kg	Inhalation Rat: 8000 ppm/4H			
TITANIUM DIOXIDE	Oral rat >10,000 mg/kg	Inhalation rat >6.8 mg/l			
ZINC CHROMATE	N.D.	N.D.	Group 1	Known Carcinogen	Select Carcinogen
STRONTIUM CHROMATE	Oral Rat: 3118 mg/kg	N.D.		Known Carcinogen	Select Carcinogen
METHYL ISOBUTYL KETONE	Oral Rat: 2080 mg/kg	Inhalation Mouse: 23300 mg/m3			
EPOXY-TERMINATED POLYSULPHIDE POLYMER	Oral Rat: 5000 mg/kg	N.D.			
ETHYLBENZENE	Oral Rat: 3500 mg/kg	N.D.	Group 2B		

IARC has issued a notice that they will publish a monograph that lists titanium dioxide (TiO2) as possibly carcinogenic to humans (Group 2B) by inhalation (based solely on animal data). Human epidemiology studies do not suggest an increased risk of cancer in humans for occupational exposure to titanium dioxide. According to the IARC summary on titanium dioxide, “No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint.”

Irritancy of Product: This product contains ingredient(s) that are irritating to skin and eyes.

Sensitization to Product: This product contains ingredient(s) that are known skin sensitizers.

Carcinogenicity: See IARC, NTP and OSHA data above.

Reproductive Toxicity: No Information.

Teratogenicity: No Information.

Mutagenicity: No Information.

12. Ecological Information

AkzoNobel 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

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DOT Proper Shipping Name:	Paint	IATA Proper Shipping Name:	Paint	IMO Proper Shipping Name:	Paint
DOT Hazard Class:	3	IATA Hazard Class:	3	IMO Hazard Class:	3
DOT UN Number:	UN1263	IATA UN Number:	UN1263	IMO UN Number:	UN1263
DOT Packing Group:	II	IATA Packing Group:	II	IMO Packing Group:	II
Label Codes:	3	IATA Hazard Subclass:	N/A	IMO Subsidiary Risk:	N/A
Resp. Guide Page:	128			Marine Pollutant:	No

Chemical Name	**CAS Number**	**CERCLA RQ**
CYCLOHEXANONE	108-94-1	5000 LBS
ZINC CHROMATE	13530-65-9	10 LBS
STRONTIUM CHROMATE	7789-06-2	10 LBS
METHYL ISOBUTYL KETONE	108-10-1	5000 LBS
ETHYLBENZENE	100-41-4	1000 LBS

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 %
ZINC CHROMATE	Chromium & Zinc Compounds	13530-65-9	5.2
STRONTIUM CHROMATE	Chromium Compounds	7789-06-2	4.6
METHYL ISOBUTYL KETONE		108-10-1	4.0
ETHYLBENZENE		100-41-4	0.2

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 %
ZINC CHROMATE	Chromium Compounds	13530-65-9	5.2
STRONTIUM CHROMATE	Chromium Compounds	7789-06-2	4.6
METHYL ISOBUTYL KETONE		108-10-1	4.0
ETHYLBENZENE		100-41-4	0.2

Toxic Substances Control Act: All the components of this product comply with applicable requirements of the US EPA TSCA inventory. Contains the following chemical(s) subject to the reporting requirements of TSCA 12b if exported from the US.

Chemical Name	CAS Number
ZINC CHROMATE	13530-65-9

U.S. STATE REGULATIONS: As follows -

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

INTERNATIONAL REGULATIONS: As follows -

Canadian WHMIS Class: B2 D2A

CPRC: This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations.

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

Austalian AICS - The status of one or more components of this product is not known.

16. Other Information

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

Health: 3 Flammability: 3 Reactivity: 0 Personal Protection: See Section 8

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

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
AkzoNobel Aerospace Coatings, a division of International Paint LLC, 1 East Water Street, Waukegan, IL 60085, USA. www.akzonobel.com/aerospace

Revision Date: 11/18/2009

NPCA Label Statements

DANGER! Flammable liquid and vapor. May be harmful if absorbed through the skin. Vapor harmful. Harmful if inhaled. Harmful or fatal if swallowed.

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. Causes eye irritation. Causes skin irritation. Causes nose and throat irritation. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Overexposure may cause lung and kidney damage. Cancer hazard. Contains ingredients which can cause cancer. (Risk of cancer depends on duration and level of exposure.)

First Aid: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. Get medical attention immediately.

Vapors may cause flash fire. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves & ovens, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Use only with adequate ventilation. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/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. Close container after each use. Do not get in eyes, on skin or clothing. Do not breathe vapors. Wash thoroughly after handling. FOR INDUSTRIAL USE ONLY.

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.