

MATERIAL SAFETY DATA SHEET

Manufacturers Name: IRON MAN COATINGS  
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SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: POLYASPARTIC FLOOR COATINGS

PRODUCT No: 3161 82 CLEAR PART B

WHMIS CLASSIFICATION: B3, D2B

HMIS RATING: Health: 1 Flammability: 2  
Reactivity: 0 Personal Protection: B

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SECTION 2: HAZARDOUS INGREDIENTS

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INGREDIENT:	CAS. No.	% w/w	ACGIH-TLV.
VAN-SOL 53	64742-95-6	15-16	50 PPM

ORAL(LD 50): VAPOUR(LC 50):  
ACUTE:8400mg/Kg.[Rat] 5.2mg/L 4hour(s)[Rat]

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SECTION 3: PHYSICAL DATA

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PHYSICAL STATE AND APPEARANCE: Water white liquid  
ODOUR: Solvent odour.  
VAPOUR PRESSURE: 1.3Kpa @ 38 C  
VAPOUR DENSITY: 4.9 (Air = 1).  
EVAPORATION RATE: 0.27 (nButyl Acetate = 1)  
BOILING RANGE: 152-171 C  
FREEZING POINT: -14 C  
SOLUBILITY IN WATER: Negligible in water  
SPECIFIC GRAVITY: 1.094  
pH: Not Applicable.  
VOC: 171.1 g/L

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SECTION 4: FIRE AND EXPLOSION DATA

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FLAMMABILITY CLASSIFICATION: Combustible.

WHAT CONDITIONS ? Excessive heat and all ignition sources.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapours may travel along ground and flash back along vapour trail may occur.  
SPECIAL FIRE FIGHTING PROCEDURES: DO NOT use a water jet as it may cause a violent eruption and spread burning material.  
Use water fog.

Do not enter confined fire space without adequate protective clothing and an approved positive pressure self-contained

breathing apparatus.

MEANS OF EXTINCTION: Dry chemical, carbon dioxide or foam.

FLAMMABLE LIMITS: (v/v) (upper) 6.2 % (lower) 0.9 %

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FLASH POINT AND METHOD: 41°C (TCC).

AUTOIGNITION TEMPERATURE: 479°C

HAZARDOUS COMBUSTION PRODUCTS: CO, CO2 & Black smoke are formed on combustion.

SENSITIVITY TO IMPACT: None.

SENSITIVITY TO STATIC DISCHARGE:

Ground all transfer & pumping equipment to avoid static build up.

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SECTION 5: REACTIVITY DATA

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CHEMICAL STABILITY: Stable.

INCOMPATIBILITY WITH OTHER SUBSTANCES ? Yes.

WHICH ONES ? Water, amines, strong based, alcohols, copper alloys.

REACTIVITY AND

UNDER WHAT CONDITIONS: Contact with moisture, other materials that react with isocyanates, ore temperature above 177°C, may cause polymerization.

HAZARDOUS DECOMPOSITION

PRODUCTS: By fire and high heat: CO, CO2 Oxides of nitrogen. Dense black smoke. Hydrogen cyanide. Isocyanates. Isocyanic acid.

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SECTION 6: TOXICOLOGICAL PROPERTIES.

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SKIN CONTACT: Prolonged and repeated contact with skin may cause defatting and drying of the skin, resulting in skin irritation and dermatitis.

EYE CONTACT: This product is expected to be an eye irritant. Vapours are moderately irritating to the eyes.

INHALATION: Vapours are moderately irritating to respiratory passages. Prolonged exposure to high vapour concentration may cause headache, dizziness, nausea and central nervous system depression.

INGESTION: The liquid is toxic if taken into the lungs,

causing severe chemical pneumonitis.

EFFECTS OF ACUTE AND CHRONIC EXPOSURE: See above.

EXPOSURE LIMITS: TLV. 50 ppm. (L. Aromatic Naphtha).

IRRITANCY AND SENSITIZATION OF PRODUCT: This product is expected to be a skin & eye irritant but not to be a skin sensitizer.

CARCINOGENICITY, TERATOGENICITY, REPRODUCTIVE TOXICITY, MUTAGENICITY, SYNERGISTIC PRODUCTS: Available data is insufficient to classify further according to the WHMIS criteria.

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SUPPLEMENTAL HEALTH INFORMATION: Prolonged exposure to high vapour concentrations may cause headache, dizziness, nausea and central nervous system depression.

Prolonged or repeated skin contact may cause various forms of dermatitis including folliculitis and oil acne.

Vapours may be irritating to respiratory passages.

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SECTION 7: PREVENTIVE MEASURES.

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PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: Wear chemical resistant gloves. Butyl rubber.  
Nitrile rubber.

EYE: Wear chemical safety goggles.

RESPIRATION: If exposure exceed TLV, wear a NIOSH approved respirator.

FOOTWEAR: As required.

CLOTHING: As required. OTHER: As required.

ENGINEERING CONTROLS: Use explosion proof ventilation as required to control vapour concentrations to below TLV.

LEAK AND SPILL PROCEDURES:

Stop leak, eliminate all ignition sources, ventilate area.

Wear suitable gloves and protective gear.

Avoid prolonged exposure to vapours.

Shovel up spilled material, place into disposal containers and remove to outdoors.

WASTE DISPOSAL: Dispose of as per all Government regulations.

HANDLING PROCEDURES AND STORAGE REQUIREMENTS:

Handle as a combustible liquid. Store in a cool, dry place.

BIODEGRADABILITY: No data available.

DOT SHIPPING DATA:

NAPHTHA, SOLVENT, SOLUTION, CLASS 3, UN 1268, PG III.

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SECTION 8: FIRST AID.  
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EYE CONTACT: Flush with water for at least 15 minutes.  
If irritation develops contact a physician.

SKIN CONTACT: Remove from skin with hand cleaner followed by soap  
and water.  
If irritation develops contact a physician.

INHALATION: Remove person from further exposure and restore  
breathing if required. Obtain medical attention.

INGESTION: DO NOT induce vomiting.  
Obtain medical attention immediately.  
Small amounts of liquid drawn into the lungs from  
swallowing or vomiting may have severe health  
effects eg. bronchopneumonia or pulmonary edema.

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SECTION 9: PREPARATION DATA.  
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PREPARED BY: IRON MAN COATINGS  
PREPARATION DATE: 8 January 2013

The Information contained herein is based on data believed to be reliable by IRON MAN COATINGS It is true and accurate to the best of our knowledge, but is not intended to be all-inclusive. Users should consider this information as a supplement to other information gathered by them and must make their own determination of suitability and completeness to assure proper safe use and disposal of these materials.