

# **ABR ORGANICS LIMITED**

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## **M A T E R I A L   S A F E T Y   D A T A   S H E E T**

### **ABRON –S 10**

#### **SECTION 1-----SUBSTANCE & PREPARATION -----**

TRADE NAME: POLYAMIC ACID, ABRON S10

PREPARATION: INFORMATION AVAILABLE FROM R&D DEPARTMENT.

#### **SECTION 2-----COMPOSITION/INFORMATION ON INGREDIENTS-----**

A POLYMER OF CAS # : [25038-81-7]

#### **SECTION 3-----HAZARDOUS IDENTIFICATION-----**

HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.

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#### **SECTION 4-----FIRST-AID MEASURES-----**

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IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER. REMOVE THE WETTED CLOTHES, FLUSH THE EFFECTED AREA WITH PLENTY OF WATER.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION / GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. IF VICTIM IS CONSCIOUS HAVE HIM DRINK WATER OR MILK. CALL A PHYSICIAN. GET MEDICAL CARE AS QUICKLY AS POSSIBLE .

NOTES TO PHYSICIAN:

ACTIVATED CHARCOAL MIXTURE MAY BE ADMINISTERED. TO PREPARE ACTIVATED CHARCOAL MIXTURE, SUSPEND 50 GRAMS ACTIVATED CHARCOAL IN 400 ML, WATER AND MIX THOROUGHLY. ADMINISTER 5 ML/KG OR 350 ML. FOR AN AVERAGE ADULT.

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SECTION 5-----FIRE FIGHTING MEASURES-----

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EXTINGUISHING MEDIA: WATER SPRAY. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

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SECTION 6-----ACCIDENTAL RELEASE MEASURES-----

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WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

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SECTION 7-----HANDLING AND STORAGE-----

KEEP AWAY FROM SPARKS AND FLAMES.

REFER TO SECTION 8.

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SECTION 8-----EXPOSURE CONTROLS/PERSONAL PROTECTION-----

CHEMICAL SAFETY GOGGLES, RUBBER GLOVES, NIOSH/MSHA-APPROVED RESPIRATOR.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

AVOID CONTACT AND INHALATION.

IRRITANT, HARMFUL SOLID, KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

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SECTION 9-----PHYSICAL AND CHEMICAL PROPERTIES-----

APPEARANCE AND ODOR: BROWN OR AMBERED COLOUR

PHYSICAL PROPERTIES:

STATE : LIQUID

COLOUR : GOLDEN YELLOW

SPECIFIC GRAVITY : 1.0 - 1.3 @ 25<sup>0</sup>C

INHERENT VISCOSITY : 1.5 - 3.5 dl/g @ 25<sup>0</sup>C

BULK VISCOSITY : 3000 - 8000 CPS

SOLID CONTENT : 10.0 - 12.5 %

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SECTION 10-----STABILITY AND REACTIVITY-----

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INCOMPATIBILITIES: STRONG OXIDIZING AGENTS, HAZARDOUS ON COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF : CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES ON COMBUSTION.

STABILITY : STABLE AT TEMPERATURES BELOW 0<sup>0</sup>C FOR 1 Month.

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SECTION 11-----TOXICOLOGICAL INFORMATION-----

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ACUTE EFFECTS: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. CAUSES EYE AND SKIN IRRITATION.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

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SECTION 12-----ECOLOGICAL INFORMATION-----

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DATA NOT AVAILABLE.

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SECTION 13-----DISPOSAL CONSIDERATIONS-----

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DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTER BURNER AND SCRUBBER.

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SECTION 14-----TRANSPORT INFORMATION-----

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SHIPPING NAME: ABRON S 10 : Polyamic Acid.

NON-HAZARDOUS FOR TRANSPORT BY ROAD OR BY AIR.

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SECTION 15----- REGULATORY  
INFORMATION-----

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EUROPEAN INFORMATION

CAUTION: SUBSTANCE NOT YET FULLY TESTED.  
IRRITANT. R 36/37/38.

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.  
S 26

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY  
OF WATER AND SEEK MEDICAL ADVICE.  
S 37/39

WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.

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SECTION 16-----OTHER INFORMATION-----

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THE PRODUCT INFORMATION OR RECOMMENDATIONS OFFERED, EITHER  
IN WRITING OR VERBALLY, IS A PART OF SERVICE INFORMATION TO  
OUR CUSTOMERS, AND THESE ARE BASED ON TEST RESULTS CARRIED  
OUT BY US BASED ON THE CURRENT STATE OF OUR KNOWLEDGE.  
CUSTOMERS ARE REQUESTED TO INDEPENDENTLY EVALUATE THE  
SUITABILITY OF THE ABROL PRODUCTS FOR EACH APPLICATION. THE  
INFORMATION PROVIDED IS FOR THE USE BY PERSONS HAVING  
TECHNICAL SKILL, AT THEIR DISCRETION & RISK AND NO LIABILITY  
CAN BE ACCEPTED IN RESPECT OF INFORMATION PROVIDED AND NO

WARRANTIES ARE INTENDED AS THE CONDITION OF APPLICATION ARE  
BEYOND OUR CONTROL.

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