



# MATERIAL SAFETY DATA SHEET

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## ARLOX HS 600

### SECTION I: IDENTIFICATION OF PRODUCT

**Product Name:** ARLOX HS 600

**Chemical Family:**

**WHMIS Classification:** B3; D2A; D2B

**Workplace Hazard:** Combustible liquid, toxic effects, skin and eye irritant.

**Product Use:** Hydrogen sulphide scavenger

**TDG Classification:** 3

**Packaging Group:** III

**PIN:** UN 1993

### SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD <sub>50</sub> (Oral/Rat)	LD <sub>50</sub> (Dermal/Rabbit)	LC <sub>50</sub> (Inh/Rat)
Trimethylbenzene	1-5	95-63-6	Not available	3280 mg/kg	18 g/m <sup>3</sup> /4 hr
Ethylbenzene	0.1-1	100-41-4	4300mg/kg	+3.9 mL/kg	+6700 ppm
Xylene	1-5	1330-20-7	4000 mg/kg	+ 2000mg/kg	5000 - 6700 ppm/4 hr
Amine Aldehyde Condensate	60-100	20280-10-8	Not available	Not available	Not available
Diethylbenzenes	5-10	25340-17-4	1.2 g/kg	Not available	Not available
Light Aromatic Naptha	10-30	64742-95-6	2900 mg/kg	Not available	Not available

### SECTION III: TOXICOLOGICAL PROPERTIES

**Route of entry:**  Skin  Eye Contact  Inhalation  Ingestion

**Effects of acute exposure:** May cause skin irritation, and possible dermatitis. A component of this product may be slightly absorbed through the skin, possibly resulting in toxic effects similar to those of inhalation. Mist and vapours may cause eye irritation. May cause irritation to the respiratory tract. Prolonged exposure may cause pneumonitis and in extreme cases, pulmonary edema. May cause central nervous system depression leading to headaches, nausea, drowsiness and possibly narcosis. May cause cardiac injury. Harmful if swallowed. May cause severe gastrointestinal disturbance, nausea, diarrhea.

**Effects of chronic exposure:**

Components of this product may cause kidney, liver damage. Pneumonitis, central nervous system depression.

**Exposure limits:**

Ingredients	OSHA PEL	ACGIH TLV-TWA
Trimethylbenzene	Not available	Not available
Ethylbenzene	100 ppm	100 ppm
Xylene	100 ppm	100 ppm
Amine Aldehyde Condensate	Not available	Not available
Diethylbenzenes	Not available	Not available
Light Aromatic Naptha	Not available	Not available



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**Irritancy of product:** Severe irritant

**Sensitization to product:** Repeated contact with skin may produce an allergic sensitization.

**Carcinogenicity:** Contains known carcinogens

**Reproductive toxicity:** Not determined

**Teratogenicity:** May cause embryo/fetotoxicity

**Mutagenicity:** Not determined

**Name of toxicological synergistic products:** Ingestion of ethyl alcohol may cause reaction.

## SECTION IV: FIRST AID MEASURES

**Skin contact:** Wash skin thoroughly with soap and water. If irritation or rash develops, seek medical attention. Launder clothing before reuse.

**Eye contact:** Flush with water for 15 minutes. Seek medical attention immediately

**Inhalation:** Remove to fresh air. Administer oxygen if necessary. Seek medical attention.

**Ingestion:** DO NOT INDUCE VOMITING. Drink 8 to 10 ounces of water to dilute. Never give anything by mouth to unconscious person. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration into the lungs. Seek immediate medical attention.

## SECTION V: PHYSICAL DATA

**Physical state:** Liquid.

**Appearance and odour:** Amber liquid, aromatic/amine odour

**Odour threshold:** Not available

**Specific gravity:** 0.818 – 0.830 @ 16°C

**Vapor pressure (mmHG):** 9.98@38°C

**Vapor density (Air=1):** Is heavier than air

**Evaporation rate:** Not available

**Boiling point (°C):** Not available

**Freeze/Melting point (°C):** Not available

**pH:** Not available

**Co-efficient of water/oil distribution:** Not available



## SECTION VI: FIRE AND EXPLOSION DATA

**Conditions of flammability:** Not available

**Means of extinguishing:** Dry chemical, carbon dioxide, foam, water

**Flash point:** 52° C (SFCC) ASTM D-3828

**Upper flammable limit:** Not available

**Lower flammable limit:** Not available

**Auto-ignition temperature:** Not available

**Hazardous combustion products:** Oxides of nitrogen, Carbon monoxide, carbon dioxide

**Explosion data-sensitivity to mechanical impact:** Not available

**Explosion data-sensitivity to static discharge:** Not available

## SECTION VII: REACTIVITY DATA

**Chemically unstable (conditions):** Stable.

**Product incompatible with:** Strong oxidizing agents, heat and open flames.

**Conditions of reactivity:** Not available

**Hazardous decomposition products:** Not determined

## SECTION VIII: PREVENTATIVE MEASURES

**Personal protective equipment:** Chemical resistant clothing is recommended including glove, apron and goggles. Recommend NIOSH approved dust respirator.

**Specific engineering controls:** Provide mechanical ventilation to prevent dust concentrations, and to reduce potential exposure.

**Procedures for leak/spills:** Small spills, soak up with absorbent material. Large spills, dike to contain spill to prevent water pollution. Water will cause extreme slipperiness. Return recovered material to plant.

**Waste disposal:** All waste should be disposed of according to Federal, Provincial and local regulations. Containers should NOT be reused. Containers should be disposed of in accordance with government regulations.

**Handling procedures and equipment:** Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact.

**Storage requirements:** Store in a cool, dry, well ventilated place. Keep container tightly closed and away from incompatible materials.

**Special shipping information:** Not applicable

*“dedicated to exceeding customer expectations”*



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## SECTION IX: PREPARATION

**Date updated:** March 24, 2010

**Prepared by:** Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.