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1. **PRODUCT IDENTIFICATION**

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**TRADE NAME** ACHP38  
**ACTIVE INGREDIENT** ACH, Polyamine (5100), Blue Dye  
**CHEMICAL NAME**  
**SYNONYMS**  
**CHEMICAL FAMILY** Cationic Polymer  
**CHEMICAL FORMULA** Mixture  
**CHEMICAL ABSTRACTS No.** Not available  
**UN No.** Not available  
**NIOSH No.**  
**HAZCHEM CODE**

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2. **COMPOSITION**

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**HAZARDOUS COMPONENTS**

**EEC CLASSIFICATION** Not available

**RISK PHRASES** **R34:** Causes burns.

**SAFETY PHRASES** **S7/8:** Keep container tightly closed and dry.  
**S28:** After contact with skin, immediately wash with plenty of water.  
**S45:** In case of accident or if you feel unwell, seek medical advice immediately and show label where possible.

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3. **HAZARD IDENTIFICATION**

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**MAIN HAZARDS**

Irritating to eyes, skin and respiratory system.

**NFPA (704) HAZARD RATING**

**Fire:** 0 Material that will not burn

**Health:** 1 Material which on exposure would cause irritation but only minor residual injury even if no treatment is given.

**Reactivity:** 0 Material which in themselves are normally stable even under fire exposure conditions and which are not reactive with water

**CHEMICAL HAZARDS**

**BIOLOGICAL HAZARDS**

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**HEALTH EFFECTS – EYES**

An eye irritant, which may cause tear formation and blurred vision.

**HEALTH EFFECTS - SKIN**

Prolonged exposure may cause skin irritation

**HEALTH EFFECTS - INGESTION**

May cause nausea and vomiting.

**HEALTH EFFECTS - INHALATION**

Mist may irritate respiratory tract.

**CARCINOGENICITY**

No data available.

**MUTAGENICITY**

No data available

**REPRODUCTIVE HAZARDS**

No data available.

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**4. FIRST AID MEASURES**

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**PRODUCT IN EYE**

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 20 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation persists, obtain medical attention immediately.

**PRODUCT ON SKIN**

Avoid direct contact with this chemical. Remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts) and wash with lukewarm, gently running water for at least 20 minutes. If irritation persists, obtain medical attention immediately. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

**PRODUCT INGESTED**

Do not induce vomiting. Drink water or milk if conscious. Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Obtain medical assistance immediately.

**PRODUCT INHALED**

Remove to fresh air Obtain medical attention

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**5. FIRE FIGHTING MEASURES**

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**EXTINGUISHING MEDIA**

Use water spray, carbon dioxide or dry chemical to extinguish fires.

**SPECIAL HAZARDS**

Use water to keep containers cool.

**PROTECTIVE CLOTHING**

Wear self-contained, positive breathing apparatus and full protective clothing

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**6. ACCIDENTAL RELEASE MEASURES**

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**PERSONAL PRECAUTIONS**

Spills of this product are very slippery. Wear personal protection

**ENVIRONMENTAL PRECAUTIONS**

Do not dispose large volumes of any chemical into watercourses or sewers.

**CLEAN-UP METHODS**

**Small Spills:** Scoop up as much as possible and then wash and scrub away with plenty of water to remove any residue. Spill may be neutralized with soda ash to pH between 6 and 9; this will liberate carbon dioxide gas.

**Large Spills:** Seal off area and contain by diking with soil or other inert material. Recover as much as possible and then apply an inert material such as sawdust to absorb the remainder. Collect in suitable containers and then wash and scrub away the residue.

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**7. HANDLING AND STORAGE**

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**STORAGE REQUIREMENTS**

Store in a cool place out of direct sun and avoid sources of potential contamination.

**HANDLING PRECAUTIONS**

Keep drums tightly closed when not in use. Avoid contact with skin, eyes or clothing. Avoid breathing mist. Handle as a corrosive liquid.

**SUITABLE MATERIALS**

PVC, HDPE, PP, SS, PTFE, most rubbers.

**UNSUITABLE MATERIALS**

Mild steel, iron, copper, aluminium and alloys

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**OCCUPATIONAL EXPOSURE STANDARDS**

<b>HSE</b>	No data available
<b>MAK</b>	No data available
<b>ACGIH</b>	No data available

**ENGINEERING CONTROL MEASURES**

Local ventilation should be available if mists are encountered.

**PERSONAL PROTECTION - RESPIRATORY**

Unlikely route of exposure, if mists are encountered, use NIOSH approved respirator.

**PERSONAL PROTECTION – HAND**

Avoid contact with this chemical. Wear rubber gloves.

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**PERSONAL PROTECTION - EYE**

Wear safety glasses with side shields at all times. Contact lenses should not be worn.

**PERSONAL PROTECTION - SKIN**

Wear overalls, safety shoes/boots and apron.

**PERSONAL PROTECTION.- INGESTION**

Restrict access to unauthorized persons. Wash hands after contact.

**OTHER PROTECTION**

A safety shower and eye wash facility should be nearby and ready for use.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>APPEARANCE</b>	Clear blue liquid.
<b>ODOUR</b>	Mild
<b>pH</b>	3.5-4.5
<b>BOILING POINT/RANGE</b>	Not available
<b>MELTING POINT/RANGE</b>	Not available
<b>FLASH POINT</b>	Not applicable
<b>FLAMMABILITY</b>	Not flammable
<b>EXPLOSIVE PROPERTIES</b>	Not applicable
<b>OXIDISING PROPERTIES</b>	None
<b>VAPOUR PRESSURE</b>	Similar to that of water
<b>SPECIFIC GRAVITY</b>	1.1-1.2
<b>VISCOSITY</b>	40-100 cps
<b>% VOLATILE BY VOLUME</b>	~60
<b>EVAPORATION RATE</b>	Similar to that of water
<b>SOLUBILITY - WATER</b>	Complete
<b>SOLUBILITY - SOLVENT</b>	

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**10. STABILITY AND REACTIVITY**

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**STABILITY**

Stable

**CONDITIONS TO AVOID**

Do not mix with other chemicals.

**INCOMPATIBLE MATERIALS**

Strong oxidizing agents. This product will corrode iron, copper and aluminium

**HAZARDOUS DECOMPOSITION PRODUCTS**

Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, ammonia, oxides of nitrogen and/or hydrogen chloride.

**POLYMERIZATION**

Hazardous polymerization will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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**ACUTE TOXICITY**

**SKIN AND EYE CONTACT**

Moderate skin and eye irritant

**CHRONIC TOXICITY**

Mists may irritate respiratory tract if exposure is prolonged.

**CARCINOGENICITY**

No data available

**MUTAGENICITY**

No data available

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**REPRODUCTIVE HAZARDS**

No data available

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**12.**

**ECOLOGICAL INFORMATION**

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<b>AQUATIC TOXICITY</b>	No data available
- FISH AQUATIC TOXICITY	No data available
- DAPHNIA AQUATIC TOXICITY	No data available
<b>ALGAE BIODEGRADABILITY</b>	No data available
<b>BIO-ACCUMULATION</b>	No data available
<b>MOBILITY</b>	No data available

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**13. DISPOSAL CONSIDERATIONS**

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**DISPOSAL METHODS**

Disposal must be made in accordance with the applicable government regulations at approved chemical dumpsites

**DISPOSAL OF PACKAGING**

Containers, even those that have been emptied, will retain product residue and vapours, handle empty containers as if they were full. Always obey hazard warnings

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**14. TRANSPORT INFORMATION**

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<b>UN No.</b>	Not available
<b>SUBSTANCE IDENTITY No.</b>	
<b>ADR/RID CLASS</b>	Not available
<b>IMDG - SHIPPING NAME</b>	
<b>IMDG - CLASS</b>	
<b>IMDG - PACKAGING GROUP</b>	Not available
<b>IATA - SHIPPING NAME</b>	
<b>IATA - CLASS</b>	



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15. **REGULATORY INFORMATION**

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**EEC HAZARD CLASSIFICATION**

Not available

**RISK PHRASES**

**R34:** Causes burns.

**SAFETY PHRASES**

**S7/8:** Keep container tightly closed and dry.

**S28:** After contact with skin, immediately wash with plenty of water.

**S45:** In case of accident or if you feel unwell, seek medical advice immediately and show label where possible.

**NATIONAL LEGISLATION**

Hazardous Substances Act 15 of 1973 and Regulations,  
Occupational Health and Safety Act 85 of 1993,

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16. **OTHER INFORMATION**

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CAS No.

Not available

EINECS No.

Not available

EEC ANNEX 1 No.

Not available

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**APPENDIX**

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**SOURCES OF INFORMATION**

1. Previous versions of the Hazard Data Sheets for this product.
  2. MSDS - Canadian Centre for Occupational Health and Safety
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**EXCLUSION OF LIABILITY**

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“All information and instructions provided in this Material Safety Data Sheet (“MSDS”) in respect of the substance is given solely in terms of the provisions of the Occupational Health and Safety Act No 85 of 1993 and Regulations (“the Act”), is based on scientific and technical knowledge as at the date indicated on this MSDS, and is presented in good faith to be correct.

The information and instructions provided in this MSDS apply only to the substance in its present form and not to any formulation or mix, in which event it is the sole responsibility of the user of the substance as formulated and/or mixed to investigate and establish any danger which may arise out of its use, wherever such user may be situated.

It is the sole responsibility of the person in receipt of this MSDS, wherever such recipient may be situated, to ensure that the information provided is communicated to and understood by any person who may come in contact with the substance in any place and in any manner whatsoever. If such recipient produces formulations or mixes using the substance, then it is such recipient’s sole responsibility to comply with the provisions of the Act in respect of the provision of the necessary MSDS, or to comply with any other applicable legislation.”