9-ACRIDINAMINE HYDROCHLORIDE HYDRATE

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND THE COMPANY UNDERTAKING

Chemical name:	9-Acridinamine Hydrochloride Hydrate
Product code:	PPC-AR05
Synonyms:	10-Amino-5azaanthracene, 9-Aminoacridine, 9AA
Recommended uses:	For R&D purposes
Supplier:	Xenometrix AG, Gewerbestrasse 25, CH-4123 Allschwil, Switzerland
Emergency contact numbers:	Telephone: +41 61 482 14 34 Fax: +41 61 482 20 72

2. HAZARDS IDENTIFICATION

Classification: According to regulation (EC) No 1272/2008

Labelling and precautionary statements:

Pictogram:

Signal word: Warning.

Hazard statement(s):	H302	Harmful if swallowed.
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H341	Suspected of causing genetic defects.
	H351	Suspected of causing cancer.
Precautionary statement(s):	P202	Do not handle until all safety precautions have been read and understood.
	P264	Wash hands thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P281	Use personal protective equipment as required.
	P301 + P312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
	P302+P352	IF ON SKIN: Wash with plenty of water.
	P308 + P313	IF exposed or concerned: Get medical advice/attention.
	P405	Store locked up.
	P501	Dispose of contents/container in accordance with local/regional/national/international regulation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Molecular formula:	$C_{13}H_{10}N_2 \cdot HCl \cdot H_2O$
Molecular weight:	248.71
CAS Number:	52417-22-8
EINECS Number:	205-145-5

4. FIRST AID MEASURES

Eye contact:	Immediately flush eye with copious amounts of water for at least 15 minutes. Get medical aid immediately.
Skin contact:	In case of contact remove contaminated clothing and immediately wash affected areas with copious quantities of water and soap for

	at least 15 minutes. Get medical aid immediately. Wash contaminated clothing before reuse.
Inhalation:	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical aid.
Ingestion:	Never give anything by mouth to an unconscious person. Wash out mouth with water provided person is conscious. Call a physician.

5. FIRE–FIGHTING MEASURES

Extinguishing media:	In case of fire use water spray, dry chemical powder, carbon dioxide, or alcohol-resistant foam.
Special hazards arising from the substance or mixture:	Carbon oxides, nitrogen oxides (NOx). Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use proper personal protective equipment as indicated in Section 8. Wear self-contained breathing apparatus, eye protection and gloves. Keep personal hygiene. Avoid contact with skin and eyes. Avoid dust formation. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Environmental precautions:	Do not let product enter the drains.
Spills/Leaks:	Sweep up and place the material in appropriate container for disposal and dispose of as hazardous waste. Ventilate area, clean up spills and wash spill site after material pickup is complete, observing precautions in the Protective Equipment section.

7. HANDLING AND STORAGE

Handling:	Wear appropriate protective clothing - see Section 8. Wash hands and face thoroughly after handling. Use only under a chemical fume hood. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage:	Store in a cool, dry, well-ventilated area. Keep container tightly closed. Store away from incompatible materials such as oxidizing agents. Light sensitive. Air-sensitive. Store under inert gas. Protect from light.

8. EXPSURE CONTROLS / PERSONAL PROTECTION

Eye protection:	Wear appropriate protective safety glasses with side-shields conforming to EN166, chemical safety goggles or face-shield (min. 8-inch) as described by OSHA's eye and face protection

	regulations. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin protection:	Wear appropriate protective gloves to prevent skin exposure, as defined in EU Directive 89/686/EEC and the standard EN 374 derived from it.
Body protection:	Appropriate protective clothing, overalls.
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N95 (US) or type P1 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to brown solid.
Odour:	Data not available / does not apply.
Odour threshold:	Data not available / does not apply.
pH:	Data not available / does not apply.
Melting point:	124–130 °C.
Boiling point:	Data not available / does not apply.
Flash point:	Data not available / does not apply.
Evaporation rate:	Data not available / does not apply.
Flammability:	Data not available / does not apply.
Flammability or explosive	Data not available / does not apply.
limits:	Data not available / does not apply.
Vapor pressure:	Data not available / does not apply.
Vapor density:	Data not available / does not apply.
Relative density:	Soluble (ether, alcohols).
Solubility:	
Partition coefficient	3.00.
n-octanol/water :	Data not available / does not apply.
Auto-ignition temperature:	Data not available / does not apply.
Decomposition temperature:	Data not available / does not apply
Viscosity:	

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Data not available.
Incompatibilities with other materials:	Oxides of carbon. Oxides of nitrogen.
Hazardous decomposition products:	Carbon oxides, nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

RTECS #:	LL5075000.

Acute toxicity:	LD50 Intraperitoneal: mouse: 132 mg/kg.
Skin corrosion/irritation:	Data not available.
Serious eye damage/eye irritation:	Data not available.
Respiratory or skin sensitization:	Data not available.
Germ cell mutagenicity:	Data not available.
Carcinogenicity:	
Rat:	Oral: Tumorigenic: Neoplastic by RTECS criteria. Liver: Tumors. Skin and appendages: Other: Tumors.
Rat:	Oral: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Kidney, Ureter, Bladder: Tumors.
Rat:	Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.
Mouse:	Oral: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Kidney, Ureter, Bladder: Tumors.
Mouse:	Skin: Tumorigenic: Neoplastic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. Gastrointestinal: Tumors.
Mouse:	Implant: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Kidney, Ureter, Bladder: Tumors. Tumorigenic: Tumors at site or application.
Reproductive toxicity:	Data not available.
Specific target organ toxicity:	Single exposure: Data not available. Repeated exposure: Data not available.
Aspiration hazard:	Data not available.
Signs and symptoms of exposure:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
Target organs:	Data not available.
Potential health effects:	Eye: May cause serious eye irritation. Skin: May be harmful by skin absorption. May cause skin irritation. Ingestion: Harmful if swallowed. Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Chronic: No information found.

12. ECOLOGICAL INFORMATION

Data not available.

13. DISPOSAL CONSIDERATION

Observe all federal, state and local environmental regulations. Mix or dissolve the material in a combustible solvent and burn in chemical incinerator equipped with an afterburner and scrubber. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

ADR / RID	Not classified as hazardous for transport.
IMDG	Not classified as hazardous for transport.
IATA	Not classified as hazardous for transport.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. ADDITIONAL INFORMATION

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