

## ICR191

### Material Safety Data Sheet according to 1907/2006/EC Article 31 (REACH)

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND THE COMPANY UNDERTAKING		
<b>Product name:</b>	ICR191	
<b>Product code:</b>	PPC-IC01	
<b>Synonyms:</b>	ICR, 6-Chloro-9-(3-(2-chloroethylamino) propylamino)-2-methoxy acridine dihydrochlorid	
<b>Recommended uses:</b>	Not for use in humans, not for diagnostic purposes. Research use only.	
<b>Supplier:</b>	Xenometrix AG, Gewerbestrasse 25, CH-4123 Allschwil, Switzerland	
<b>Emergency contact numbers:</b>	+41 61 482 14 34	
<b>Country of origin:</b>	Switzerland	
<b>HS Code:</b>	3822.1900	
2. HAZARDS IDENTIFICATION		
<b>Classification:</b>	According to regulation (EC) No 1272/2008[EU-GHS/CLP] not a hazardous substance or mixture.	
<b>Label element:</b>	Keep out of the reach of children Pictogram: 	
<b>Hazard statement(s):</b>	Signal word: Danger H301 Toxic if swallowed. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
<b>Precautionary statement(s):</b>	H351 Suspected of causing cancer. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P285 In case of inadequate ventilation wear respiratory protection. P301 + P310 IF SWALLOWED: Immediately call a doctor. P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water. P405 Store locked up. P501 Dispose of contents/container to industrial incineration plant.	
<b>Other hazards:</b>	No data available	
3. COMPOSITION / INFORMATION ON INGREDIENTS		
<b>Product:</b>	Molecular formula C <sub>19</sub> H <sub>23</sub> Cl <sub>4</sub> N <sub>3</sub> O Molecular weight 451.2 g/mol	
<b>Description:</b>	Component is used as positive control in an assay.	
<b>CAS-No:</b>	17070-45-0	
<b>EINECS Number:</b>	241-129-4	
<b>Index-No:</b>	No data available	
<b>Other information:</b>	Component is a powder	
4. FIRST AID MEASURES		
<b>Eye contact:</b>	Remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes. If contact lenses can't remove, continue washing. Consult a physician or an expert.	
<b>Skin contact:</b>	Remove contaminated clothing and wash before renew use. Wash off with soap and plenty of water. Consult a physician.	
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<b>Inhalation:</b>	Move person into fresh air and control respiration. If not breathing, give artificial respiration. Consult a physician.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Consult a physician. Never cause nausea. Rinse mouth with water. Concerned person should drink water, better milk (two glasses at most). If nausea: Beware swallowing and keeping in recovery position.

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## 5. FIRE-FIGHTING MEASURES

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<b>Extinguishing media:</b>	In case of fire use water spray, water mist alcohol resistant foam Extinguishing powder carbon dioxide (CO <sub>2</sub> ), sand. B
<b>Special hazards arising from the substance or mixture:</b>	Carbon oxides, nitrogen oxides (NO <sub>x</sub> ), carbon dioxide (CO <sub>2</sub> ) sulphur oxides
<b>Advice for firefighters:</b>	In case of fire: Wear self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Personal precautions:</b>	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.
<b>Environmental precautions:</b>	Cover drains. Ensure waste is collected and contained.
<b>Methods and materials for containment and cleaning up:</b>	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.

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## 7. HANDLING AND STORAGE

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<b>Handling:</b>	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.
<b>Storage:</b>	Store in the original container as much as possible. Recommended storage temperature: 2 - 8°C; Keep container tightly closed. Store away from incompatible materials such as oxidizing agents.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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<b>Eye protection:</b>	Wear safety glasses with side 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).
<b>Skin protection:</b>	Wear appropriate protective gloves to prevent skin exposure, as defined in EU Directive 89/686/EEC and the standard EN 374 derived from it.
<b>Body protection:</b>	Appropriate protective clothing, overalls.
<b>Respiratory protection:</b>	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

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respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance:</b>	White to yellow solid in a Vial
<b>Odour:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point:</b>	No data available
<b>Boiling point:</b>	No data available
<b>Flash point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability:</b>	No data available
<b>Self-ignition temp.:</b>	No data available
<b>Danger of Explosion:</b>	No data available
<b>lower explosion limit:</b>	No data available
<b>upper explosion limit:</b>	No data available
<b>Decomposition Temp.:</b>	No data available
<b>Kinematic Viscosity:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Relative Density (20°C):</b>	No data available
<b>Relative Gas Density (20°C):</b>	No data available
<b>Solubility (20°C):</b>	Soluble in DMSO or water
<b>Partition coefficient n-octanol/water:</b>	No data available
<b>Log KOW:</b>	No data available

<b>10. STABILITY AND REACTIVITY</b>	
<b>Chemical stability:</b>	Stable under normal storage conditions and recommended use.
<b>Conditions to avoid:</b>	High humidity or direct sunlight.
<b>Incompatibilities with other materials:</b>	Acid, concentrated Oxidising agent, strong Alkali (lye), concentrated.
<b>Hazardous decomposition products:</b>	Thermal decomposition can lead to the escape of irritating gases and vapours.

<b>11. TOXICOLOGICAL INFORMATION</b>	
<b>Acute toxicity:</b>	LD50: No data available LC50: No data available.
<b>RTECS#:</b>	No data available
<b>Skin corrosion/irritation:</b>	May causes skin irritation.
<b>Serious eye damage/eye irritation:</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization:</b>	May be harmful if inhaled. May cause headache and nausea.
<b>Carcinogenicity rat :</b>	Oral: Tumorigenic: Neoplastic by RTECS criteria. Liver: Tumors. Skin and appendages: Other: Tumors. Oral: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Kidney, Ureter, Bladder: Tumors. Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.
<b>Carcinogenicity mouse :</b>	Oral: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Kidney, Ureter, Bladder: Tumors. Skin: Tumorigenic: Neoplastic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. Gastrointestinal: Tumors. Implant: Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Kidney, Ureter, Bladder: Tumors. Tumorigenic: Tumors at site or application.
<b>Reproductive toxicity:</b>	No data available.

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<b>Specific target organ toxicity:</b>	No data available.
<b>Aspiration hazard:</b>	No data available.
<b>Signs and symptoms of exposure:</b>	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
<b>Target organs:</b>	Data not available.
<b>Potential health effects:</b>	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.
<b>Other:</b>	No data available.

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## 12. ECOLOGICAL INFORMATION

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<b>Toxicity:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Mobility in soil:</b>	No data available
<b>Result of PBT and vPvB assessment:</b>	No data available
<b>Other adverse effects:</b>	No data available

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## 13. DISPOSAL CONSIDERATION

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<b>Waste treatment methods:</b>	Avoid discharge in environment.
<b>Treatment key:</b>	Ask your local administration.
<b>Contaminated packaging/ product:</b>	No data available.
<b>Special precaution:</b>	No data available.
<b>Other:</b>	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.

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## 14. TRANSPORT INFORMATION

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<b>ADR / RID</b>	UN2811
<b>IMDG</b>	Not classified as hazardous for transport.
<b>IATA</b>	6.1

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## 15. REGULATORY INFORMATION

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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available.  
Chemical Safety Assessment: A chemical safety assessment was not carried out for this product

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## 16. ADDITIONAL INFORMATION

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