


2-Nitrofluorene

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

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND THE COMPANY UNDERTAKING	
Product name:	2-Nitrofluorene
Product code:	PPC-NF00
Synonyms:	2-NF
Recommended uses:	Not for use in humans, not for diagnostic purposes. Research use only.
Supplier:	Xenometrix AG, Gewerbestrasse 25, CH-4123 Allschwil, Switzerland
Emergency contact numbers:	+41 61 482 14 34
Country of origin:	Switzerland
HS Code:	3822.1900
2. HAZARDS IDENTIFICATION	
Classification:	According to regulation (EC) No 1272/2008[EU-GHS/CLP] not a hazardous substance or mixture.
Label element:	Keep out of the reach of children Pictogram: 
Hazard statement(s):	Signal word: Warning H351 Suspected of causing cancer. H411 Toxic to aquatic life with long lasting effects.
Precautionary statement(s):	P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P308 IF exposed or concerned: P313 Get medical advice/attention. P391 Collect spillage. P501 Dispose of contents / container in accordance with local / regional / national / international regulations.
Other hazards:	Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.
3. COMPOSITION / INFORMATION ON INGREDIENTS	
Product:	Molecular formula C ₁₃ H ₉ NO ₂ Molecular weight 211.22 g/mol
Description:	Component is used as positive control in an assay.
CAS-No:	607-57-8
EINECS Number:	210-138-5
Index-No:	No data available
Other information:	Component is a powder
4. FIRST AID MEASURES	
Eye contact:	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.
Skin contact:	Remove contaminated clothing and wash before renew use. Wash off with soap and plenty of water. Consult a physician.
Inhalation:	Move person into fresh air and control respiration. If not breathing, give artificial respiration. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Consult a physician. Never cause nausea. Rinse mouth with water. Concerned

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person should drink water, better milk (two glasses at most). If nausea: Beware swallowing and keeping in recovery position.

5. FIRE-FIGHTING MEASURES	
Extinguishing media:	foam, dry extinguishing powder, carbon dioxide (CO ₂), water spray jet
Special hazards arising from the substance or mixture:	Wear a self-contained breathing apparatus and chemical protective clothing.
Advice for firefighters:	Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.
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 allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.
Methods and materials for containment and cleaning up:	No data available
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 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. Light sensitive. Air-sensitive. Store under inert gas. Protect from light.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Eye protection:	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).
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).

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9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Yellow solid in a Vial
Odour:	No data available
pH:	No data available
Melting point:	No data available
Boiling point:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Self-ignition temp.:	Product is not self-igniting
Danger of Explosion:	No data available
lower explosion limit:	No data available
upper explosion limit:	No data available
Decomposition Temp.:	No data available
Kinematic Viscosity:	No data available
Vapor Pressure:	No data available
Relative Density (20°C):	No data available
Relative Gas Density (20°C):	No data available
Solubility (20°C):	Soluble in DMSO
Partition coefficient n-octanol/water:	No data available
Log KOW:	No data available
10. STABILITY AND REACTIVITY	
Chemical stability:	Stable under normal storage conditions and recommended use
Conditions to avoid:	High humidity or direct sunlight
Incompatibilities with other materials:	Strong oxidizing agents.
Hazardous decomposition products:	Nitrogen oxides (NOx), carbon dioxide (CO2), carbon monoxide
11. TOXICOLOGICAL INFORMATION	
Acute toxicity:	LD50: No data available LC50: No data available.
RTECS#:	No data available
Skin corrosion/irritation:	May causes skin irritation.
Serious eye damage/eye irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	May be harmful if inhaled. May cause headache and nausea.
Carcinogenicity rat :	No data available
Carcinogenicity mouse :	No data available
Reproductive toxicity:	Data not available.
Specific target organ toxicity:	No data available
Aspiration hazard:	Data not available.
Signs and symptoms of exposure:	Data not available.
Target organs:	Data not available.
Potential health effects:	Data not available.
Other:	No data available.
12. ECOLOGICAL INFORMATION	
Toxicity:	Not classified
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available

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Result of PBT and vPvB assessment: No data available

Other adverse effects: Toxic to aquatic life.

13. DISPOSAL CONSIDERATION

Waste treatment methods: Avoid discharge in environment.

Treatment key: Ask your local administration.

Contaminated packaging/ product: No data available.

Special precaution: No data available.

Other: 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. 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

16. ADDITIONAL INFORMATION

Copyright 2015 Xenometrix AG. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Xenometrix AG shall not be held liable for any damage resulting from handling or from contact with the above product.

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