

## SAFETY DATA SHEET

### Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product name :	4-hydrazino-1-methylpiperidine dihydrochloride
Product Number :	52270
CAS :	53242-78-7
Salt Form:	2HCl
Company :	Aaron Chemistry GmbH
Address :	Am Fischweiher 41-43, 82481 Mittenwald, Germany
Emergency Telephone Number :	+49 8823 917521
Creation Date :	08/26/2011
Revision Date :	07/01/2017

### Section 2. HAZARDS IDENTIFICATION

GHS Classification	Not a hazardous substance or mixture.
GHS Label elements, including precautionary statements	Not a hazardous substance or mixture.

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	4-hydrazino-1-methylpiperidine dihydrochloride
Synonyms :	-
CAS-No. :	51304-64-4
EC-No. :	-
Index-No. :	-
Formula :	C <sub>6</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>3</sub>
Molecular Weight :	202.1
Percentage :	95
Classification	No components need to be disclosed according to the applicable regulations.

### Section 4. FIRST AID MEASURES

General advice :	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled :	If breathed in, move person into fresh air. If not breathing give

	artificial respiration Consult a physician.
In case of skin contact :	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact :	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed :	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Section 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special protective equipment for fire-fighters :	Wear self contained breathing apparatus for fire fighting if necessary.

### Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions :	Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental precautions :	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up :	Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

### Section 7. HANDLING AND STORAGE

Precautions for safe handling :	Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Conditions for safe storage :	Store at RT. Keep container tightly closed in a dry and well-ventilated place.

### Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold Limit Values	8-hr Time Weighted Average	Short Term Exposure Limit
ACGIH :	No data available	No data available
NIOSH :	None listed	None listed
OSHA - Final PELs :	None listed	
Personal protective equipment		
Respiratory protection :	Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).	

Hand protection :	Handle with gloves.
Eye protection :	Face shield or safety glasses
Skin and body protection :	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures :	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Color :	red
Form :	crystalline
Safety data	
pH :	No data available
Melting point :	No data available
Boiling Point :	No data available
Flash point :	No data available
Ignition temperature :	No data available
Lower explosion limit :	No data available
Vapor pressure :	No data available
Vapor density	No data available
Density :	No data available
Water solubility :	No data available
Partition coefficient(n-octanol/water) logPow:	No data available

## Section 10. STABILITY AND REACTIVITY

Chemical stability :	Air sensitive
Conditions to avoid :	Exposure to air, excess heat
Materials to avoid :	Strong oxidizing agents, strong acids, strong bases
Hazardous decomposition products :	Carbon oxides, nitrogen oxides

## Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity :	
LD50 (oral)	No data available
LD50 (dermal)	No data available
Skin corrosion/irritation :	No data available
Serious eye damage/eye irritation :	No data available
Respiratory or skin sensitization :	No data available.
Carcinogenicity:	This product is not classified as carcinogen under IARC, ACGIH, NTP.
	Group 3: Not classifiable as to its carcinogenicity to humans
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	humans
Reproductive toxicity :	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Potential health effects	
Inhalation :	No data available.
Ingestion :	No data available.
Skin :	No data available.
Eyes :	No data available.
Signs and Symptoms of Exposure :	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Section 12. ECOLOGICAL INFORMATION

No data available

## Section 13. DISPOSAL CONSIDERATIONS

Product :	Follow established procedures and regulations. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging :	Dispose of as unused product.

## Section 14. TRANSPORT INFORMATION

	U.S. DOT 49 CFR 172.101	IATA/RID/IMDG/ADR
Proper shipping name :	Not dangerous goods.	Not dangerous goods.
UN number :		
Hazard class :		
Packing group :		

## Section 15. REGULATORY INFORMATION

U.S. REGULATIONS	
CERCLA SECTIONS 102a/103 :	Not regulated
SARA TITLE III SECTION 302 :	Not regulated
SARA TITLE III SECTION 304 :	Not regulated
SARA TITLE III SECTION 311/312	
ACUTE :	No data available
CHRONIC :	No data available
FIRE :	No data available
REACTIVE :	No data available
SUDDEN RELEASE :	No data available
SARA TITLE III SECTION 313 :	Not regulated

OSHA PROCESS SAFETY(29 CFR 1910.119) :	Not regulated
STATE REGULATIONS	
California Proposition 65	None listed
NATIONAL INVENTORY STATUS	
U.S. Inventory (TSCA) :	None listed

### Section 16. OTHER INFORMATION

This safety datasheet complies with the requirements of Regulations: HCS/HazCom 2012 Final Rule; REACH 1907/2006/EC + 453/2010/EC + 1272/2008 CLP.	
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