	MA-ALDRIC	
		SAFETY DATA SHEET
		Version 3.8 Revision Date 12/29/2015 Print Date 03/16/2016
1. PF	ODUCT AND COMPANY	IDENTIFICATION
1.1	Product identifiers Product name	Mercury(II) nitrate monohydrate
	Product Number Brand Index-No.	: 83381 : Sigma-Aldrich : 080-002-00-6
	CAS-No.	: 7783-34-8
1.2 Relevant identified uses of the substance or mixture and uses advised against		s of the substance or mixture and uses advised against
	Identified uses	: Laboratory chemicals, Synthesis of substances
1.3	Details of the supplier	of the safety data sheet
	Company	: Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
	Telephone Fax	: +1 800-325-5832 : +1 800-325-5052
1.4	Emergency telephone	number
	Emergency Phone #	: (314) 776-6555
2. HA	ZARDS IDENTIFICATION	
2.1	Classification of the su	bstance or mixture

Acute toxicity, Inhalation (Category 2), H330 Acute toxicity, Dermal (Category 1), H310 Specific target organ toxicity - repeated exposure (Category 2), H373 Acute aquatic toxicity (Category 1), H400 Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

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	Signal word	Danger
	Hazard statement(s) H300 + H310 + H330 H373 H410	Fatal if swallowed, in contact with skin or if inhaled May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.
00000606 Sigm	Precautionary statement(s) P260 P262 P264 a-Aldrich - 83381	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not get in eyes, on skin, or on clothing. Wash skin thoroughly after handling.

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P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
P284	Wear respiratory protection.
P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER or doctor/
	physician. Rinse mouth.
P302 + P350 + P310	IF ON SKIN: Gently wash with plenty of soap and water. Immediately call
	a POISON CENTER or doctor/ physician.
P304 + P340 + P310	IF INHALED: Remove person to fresh air and keep comfortable for
	breathing. Immediately call a POISON CENTER or doctor/ physician.
P314	Get medical advice/ attention if you feel unwell.
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances Synonyms	: Mercuric nitrate
Formula	: HgN ₂ O ₆ · H ₂ O
Molecular weight	: 342.62 g/mol
CAS-No.	: 7783-34-8
EC-No.	: 233-152-3
Index-No.	: 080-002-00-6

Hazardous components

Component	· Trans		Classification	Concentration
Mercury dinitr	ate monohy	drate		
			Acute Tox. 2; Acute Tox. 1;	<= 100 %
			STOT RE 2; Aquatic Acute 1;	
			Aquatic Chronic 1; H300 +	
			H310 + H330, H373, H410	

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

3.1

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. Take victim immediately to hospital. Consult a physician.

In case of eye contact Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

- 4.2 Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
- 4.3 Indication of any immediate medical attention and special treatment needed No data available

Sigma-Aldrich - 83381

Page 1 of 8

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Page 2 of 8

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).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	9.1	Information on b	asic physica	I and chemical	properties
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	a)	Appearance	Form: crystalline Colour: white
	b)	Odour	No data available
	C)	Odour Threshold	No data available
	d)	pН	No data available
	e)	Melting point/freezing point	Melting point/range: 79 °C (174 °F) - lit.
	f)	Initial boiling point and boiling range	No data available
	g)	Flash point	Not applicable
	h)	Evaporation rate	No data available
	i)	Flammability (solid, gas)	No data available
	j)	Upper/lower flammability or explosive limits	No data available
	k)	Vapour pressure	No data available
	I)	Vapour density	No data available
	m)	Relative density	4.300 g/cm3
	n)	Water solubility	No data available
	o)	Partition coefficient: n- octanol/water	No data available
	p)	Auto-ignition temperature	No data available
	q)	Decomposition temperature	No data available
	r)	Viscosity	No data available
	s)	Explosive properties	No data available
	t)	Oxidizing properties	No data available
9.2		ner safety information data available	
10. S	TAB	ILITY AND REACTIVITY	
10.1	Rea	activity	
		data available	

9.2	Other safety information No data available
10. S	TABILITY AND REACTIVITY
10.1	Reactivity No data available
10.2	Chemical stability Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions No data available
	Conditions to avoid Avoid moisture. Aldrich - 83381 y 0853185390-000040 Purchase Order 115632
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10.5 Incompatible materials No data available

10.6 Hazardous decomposition products Other decomposition products - No data available In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
 - Acute toxicity

No data available

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation No data available

Respiratory or skin sensitisation No data available

Germ cell mutagenicity

No data available

Carcinogenicity

- IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Mercury dinitrate monohydrate)
- No component of this product present at levels greater than or equal to 0.1% is identified as a NTP: known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity No data available

No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard No data available

Additional Information RTECS: OW8225000

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

Stomach - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence

12. ECOLOGICAL INFORMATION

12.1 Toxicity No data available

Page 5 of 8

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