

Molybdic acid
232084-500G

Version 1.1

Issuing date

Revision Date 05/26/2017

Print Date 08/07/2019

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : Molybdic acid

Number : 000000020782

Recommended use of the chemical and restrictions on use : Laboratory chemicals

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH
Wunstorfer Straße 40
Seelze, 30926

For further information, please contact: : 1-800-368-0050
+1-231-726-3171
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
: **In Japan: +(81)-345209637**
: (24 hours/day, 7 days/week)

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

GHS Label elements, including precautionary statements

Precautionary statements : **Prevention:**
Use personal protective equipment as required.

Other hazards which do not result in classification : Repeated or prolonged exposure may irritate eyes, skin and respiratory system.
Limited evidence of a carcinogenic effect.
The significance of these findings for humans is not certain.

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Molybdic acid	7782-91-4	<=100.00 %
Molybdic acid		

4. FIRST AID MEASURES

- General advice : First aider needs to protect himself.
Move out of dangerous area.
Take off all contaminated clothing immediately.
- Inhalation : If inhaled, remove to fresh air.
Call a physician if irritation develops or persists.
- Skin contact : After contact with skin, wash immediately with plenty of water.
If symptoms persist, call a physician.
- Eye contact : Rinse thoroughly with plenty of water, also under the eyelids.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- Ingestion : Immediately give large quantities of water to drink.
If accidentally swallowed obtain immediate medical attention.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry powder
- Specific hazards during firefighting : The product itself does not burn.
In case of fire hazardous decomposition products may be produced such as:
metal oxides
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

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- | | | |
|---|---|--|
| Personal precautions, protective equipment and emergency procedures | : | Evacuate personnel to safe areas.
Wear personal protective equipment. Unprotected persons must be kept away.
Provide adequate ventilation.
Avoid dust formation.
Avoid contact with skin, eyes and clothing. |
| Environmental precautions | : | Prevent further leakage or spillage if safe to do so.
Do not flush into surface water or sanitary sewer system. |
| Methods and materials for containment and cleaning up | : | Use mechanical handling equipment.
Sweep up and shovel into suitable containers for disposal.
Dispose of in accordance with local regulations. |

7. HANDLING AND STORAGE**Handling**

- | | | |
|-------------------------------|---|--|
| Precautions for safe handling | : | Wear personal protective equipment.
Use only in well-ventilated areas.
Avoid inhalation, ingestion and contact with skin and eyes. |
|-------------------------------|---|--|

- | | | |
|---|---|---|
| Advice on protection against fire and explosion | : | Normal measures for preventive fire protection. |
|---|---|---|

Storage

- | | | |
|--|---|--|
| Conditions for safe storage, including any incompatibilities | : | Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place. |
|--|---|--|

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Use with local exhaust ventilation.

Individual protection measures, such as personal protective equipment

- | | | |
|------------------------|---|--|
| Respiratory protection | : | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Hand protection | : | Latex gloves
Gloves must be inspected prior to use.
Replace when worn. |

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Eye protection	: Safety glasses with side-shields
Skin and body protection	: Protective suit
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.
Protective measures	: Ensure that eyewash stations and safety showers are close to the workstation location. Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Colour	: colourless to yellowish
Odour	: no data available
pH	: Note: no data available
Melting point/range	: Note: no data available
Boiling point/boiling range	: Note: no data available
Flash point	: Note: Not applicable
Flammability	: no data available
Lower explosion limit	: Note: no data available
Upper explosion limit	: Note: no data available
Vapour pressure	: Note: no data available
Density	: Note: no data available

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Water solubility : Note: insoluble

Ignition temperature : Note: no data available

Decomposition temperature : Note: Stable under recommended storage conditions.

Oxidizing properties : The substance or mixture is not classified as oxidizing.

10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : None known.

Incompatible materials to avoid : Strong oxidizing agents
Strong bases

Hazardous decomposition products : No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Note: Not classified due to data which are conclusive although insufficient for classification.

Acute inhalation toxicity : Note: Not classified due to data which are conclusive although insufficient for classification.

Acute dermal toxicity : Note: Not classified due to data which are conclusive although insufficient for classification.

Skin irritation : Species: Rabbit
Result: No skin irritation
Method: OECD Test Guideline 404

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Eye irritation	: Species: Rabbit Result: slight irritation Method: OECD Test Guideline 405
Sensitisation	: Note: Not classified due to data which are conclusive although insufficient for classification.
Genotoxicity in vitro	: Note: Not classified due to data which are conclusive although insufficient for classification.
Further information	: Note: Limited evidence of a carcinogenic effect. The significance of these findings for humans is not certain.

12. ECOLOGICAL INFORMATION**Toxicity**

Toxicity to fish	: Note: Not classified due to data which are conclusive although insufficient for classification.
Toxicity to daphnia and other aquatic invertebrates	: Note: Not classified due to data which are conclusive although insufficient for classification.
Toxicity to algae	: Note: Not classified due to data which are conclusive although insufficient for classification.

Persistence and degradability

Biodegradability	: Note: The methods for determining biodegradability are not applicable to inorganic substances.
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13. DISPOSAL CONSIDERATIONS

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Disposal methods : In accordance with local and national regulations.

14. TRANSPORT INFORMATION**ADR**

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

15. REGULATORY INFORMATION**National regulatory information**

:

Substances Subject to be :
Notified Names : Threshold Concentration: 0.1 % wt 603
JP MSDSD

Substances Subject to be : Article 18
Indicated Names : Threshold limits: 1 % wt 603
JPISHL LR

Substances Subject to be :
Notified Names : Threshold Concentration: 1 % wt 603
JP MSDSD

Other international regulations**Notification status**

US. Toxic Substances : On TSCA Inventory
Control Act

Australia. Industrial Chemical : On the inventory, or in compliance with the inventory
(Notification and
Assessment) Act

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Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Toxic Chemical Control Law (TCCL) List : On the inventory, or in compliance with the inventory

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances : On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 0	0
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any

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material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Previous Issue Date: 10/04/2016

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group