

## Sodium molybdate dihydrate

#### 331058-2.5KG

Version 1.4 Issuing date 07/22/2016

Revision Date 05/22/2020

Print Date 08/03/2021

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product information

	Trade name	:	Sodium molybdate dihydrate	
	Number	:	00000020206	
	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. ⊦	AZARDS IDENTIFICATION			
	Classification of the substa	ance	e or mixture	
	Not a hazardous substance of	or m	ixture according to the Globally Harmonised System (GHS).	
	GHS Label elements, inclue	ding	g precautionary statements	
	Precautionary statements		: <b>Prevention:</b> 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.	
	Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).			
3 (	3. COMPOSITION/INFORMATION ON INGREDIENTS			
0.0				

1/10

			Honeywel Fluka
Sodium molybdate dihy	drate		
331058-2.5KG Version 1.4 Issuing date 07/2	2/2016	Revision Date 05/22/2020	Print Date 08/03/202
Chemical nature	: Subst	ance	
Chemical name Sodium molybdate-2-hydrate Sodium molybdate-2-hydrate		CAS-No. 10102-40-6	Concentration >=90.00 - <=100.00 %
. FIRST AID MEASURES			
General advice	Move	aider needs to protect himself. out of dangerous area. off all contaminated clothing im	mediately.
Inhalation	: If inha	aled, remove to fresh air.	
Skin contact	: After	contact with skin, wash immedia	ately with plenty of water.
Eye contact		case of contact with eyes, rinse ter and seek medical advice.	e immediately with plenty
Ingestion		e mouth with water. h physician immediately.	
Notes to physician	: Treat	symptomatically.	
. FIREFIGHTING MEASURES			
Suitable extinguishing media			
Specific hazards during firefighting	: Hazaı condi	rdous decomposition products for tions.	ormed under fire
Special protective equipment for firefighters		an approved positive pressure ratus in addition to standard fire	
Further information		extinguishing measures that are nstances and the surrounding e	
6. ACCIDENTAL RELEASE MEAS	URES		
Personal precautions, protective equipment and		de adequate ventilation. dust formation. 2/10	



## Sodium molybdate dihydrate

### 331058-2.5KG

Version 1.4 Issuing date 07/22/2016

Revision Date 05/22/2020

emergency procedures Environmental precautions	: Should not be released into the environment.		
Methods and materials for containment and cleaning up	: Sweep up and shovel into suitable containers for disposal.		
7. HANDLING AND STORAGE			
Handling			
Precautions for safe handling	: Wear personal protective equipment. Use with local exhaust ventilation. Avoid dust formation.		
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/PERS	ONAL PROTECTION		
<b>Components with workplace control parameters</b> Contains no substances with occupational exposure limit values.			
Appropriate engineering con	trols		
Use with local exhaust ventilati	ion.		
Individual protection measures, such as personal protective equipment			

Respiratory protection	: In the case of dust or aerosol formation use respirator with an approved filter.
Hand protection	: Latex gloves Gloves must be inspected prior to use. Replace when worn.
Eye protection	: Safety glasses with side-shields
Skin and body protection	: Protective suit
Hygiene measures	: Keep away from food, drink and animal feedingstuffs. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday. 3/10

AFETY DATA SHEET		Honeywell Fluka		
odium molybdate dił	nydrate			
1058-2.5KG ersion 1.4 Issuing date 07	7/22/2016	Revision Date 05/22/2020	Print Date 08/03/202	
the Leg sele Avo		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 contact with skin, eyes and clothing. Avoid breathing dust or spray mist.		
PHYSICAL AND CHEMICAL	<b>PROPERTIES</b> : crystallin			
Colour	: white			
Odour	: odourles	SS		
рН	: 7.0 - 10	.0 at , 20 °C		
Melting point/range	: 100 °C Note: El	imination of water of crystallisa	tion	
Boiling point/boiling range	: Note: no	o data available		
Flash point	: Note: N	ot applicable		
Evaporation rate	: Note: no	o data available		
Lower explosion limit	: Note: No	ot applicable		
Upper explosion limit	: Note: N	ot applicable		
Vapour pressure	: Note: no	o data available		
Vapour density	: Note: no	o data available		
Density	: ca. 2.70	0 g/cm3 at 20 °C		
Density		0 g/0110 at 20 0		

# Honeywell Fluka<sup>\*\*</sup>

# Sodium molybdate dihydrate

### 331058-2.5KG

Version 1.4 Issuing date 07/22/2016

Revision Date 05/22/2020

Water solubility	: 840.0 g/l at 20 °C			
Partition coefficient: n- octanol/water	: Note: no data available			
Ignition temperature	: Note: Not applicable			
Decomposition temperature	: 100 °C Note: Loss of water of crystallization on heating.			
Viscosity, dynamic	: Note: no data available			
Viscosity, kinematic	: Note: no data available			
Molecular weight	: 241.95 g/mol			
Bulk density	: ca. 930 kg/m3			
10. STABILITY AND REACTIVITY				
Chemical stability	: Stable under recommended storage conditions.			
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.			
Conditions to avoid	: No information available.			
Incompatible materials to avoid	: No information available.			
11. TOXICOLOGICAL INFORMATION				
Acute oral toxicity	: LD50: 4,233 mg/kg Species: Rat Method: OECD Test Guideline 401 Test substance: anhydrous substance			
Acute inhalation toxicity	: LC50: > 1.93 mg/l , dust/mist 5/10			



# Sodium molybdate dihydrate

#### 331058-2.5KG

Version 1.4 Issuing date 07/22/2016

Revision Date 05/22/2020

	Exposure time: 4 h Species: Rat Test substance: anhydrous substance Note: No deaths
Acute dermal toxicity	<ul> <li>LD50: &gt; 2,000 mg/kg</li> <li>Species: Rat</li> <li>Method: OECD Test Guideline 402</li> <li>Test substance: anhydrous substance</li> <li>Note: No deaths</li> </ul>
Skin irritation	: Species: Rabbit Classification: non-irritant Method: OECD Test Guideline 404 Test substance:anhydrous substance
Eye irritation	: Species: Rabbit Result: slight irritation Method: OECD Test Guideline 405 Test substance: anhydrous substance
Sensitisation	<ul> <li>Maximisation Test Species: Guinea pig Classification: non-sensitizing Test substance: anhydrous substance Method: OECD Test Guideline 406</li> </ul>
Genotoxicity in vitro	<ul> <li>Test Method: In vitro gene mutation study in mammalian cells Cell type: Mouse lymphoma cells Metabolic activation: with and without metabolic activation Result: negative Method: OECD Test Guideline 476</li> <li>Test Method: Ames test</li> </ul>
	Metabolic activation: with and without metabolic activation Result: negative Method: OECD Test Guideline 471
Aspiration toxicity	: Not applicable
Teratogenicity	: Species: RatApplication Route: Oral 6/10

SAFETY DATA SHEET		E F	<b>loneywell</b> <i>Fluka</i> "
Sodium molybdate di	hydrate		
331058-2.5KG	- /20/20/20 5	5	
Version 1.4 Issuing date 0	7/22/2016 Revision	n Date 05/22/2020	Print Date 08/03/2021
	NOAEL: >40 mg NOAEL: >40 mg Method: OECD		
12. ECOLOGICAL INFORMAT	ON		
Toxicity			
Toxicity to fish		96 h hales promelas (fathea Test Guideline 203	ıd minnow)
Toxicity to daphnia and oth aquatic invertebrates	Exposure time: Species: Daphn	48 h	
Toxicity to algae	: Note: no data av	vailable	
Toxicity to bacteria	: Respiration inhil EC50: 820 mg/l Exposure time: Species: activat Test substance: Method: OECD	3 h ed sludge REACH dossier "read	-across"
Persistence and degradab	ility		
Biodegradability		ods for determining bio organic substances.	degradability are not
13. DISPOSAL CONSIDERATI	DNS		
	7/10		
	//10		

	EET		Honeywell <i>Fluka</i> "
Sodium molybdat	e dihydrate		
331058-2.5KG			
Version 1.4 Issuing o	date 07/22/2016	Revision Date 05/22/2020	Print Date 08/03/2021
Disposal methods	: In acc	ordance with local and nationa	l regulations.
14. TRANSPORT INFORM	MATION		
<b>ADR</b> Not dangerous goods	i		
IATA Not dangerous goods			
IMDG Not dangerous goods	;		
<b>RID</b> Not dangerous goods	i		
15. REGULATORY INFOR			
IS. ILCOLATOR I INFUR			
National regulatory			
	information o be :	old Concentration: 1 % wt 603	
<b>National regulatory</b> i Substances Subject to Notified Names	information o be :		
National regulatory i Substances Subject to Notified Names JP MSDSD	information o be : Thresh : Not re ous : Listec Sodiu Art. 57, rt. 18, : 30 &	elevant	2-40-6
National regulatory is Substances Subject to Notified Names JP MSDSD Fire Service Law Japan. ISHL Hazardo Substances Labeling Requirements (ISHL A Enforcement Order A Enforcement Rule Art 31, as amended throu April 2018) Japan. SDS and Risk Assessment Requirer (ISHL Art. 57-2 and 5 Enforcement Order A Enforcement Order A	information o be : Thresho : Not re ous : Listec Sodiu Art. 57, rt. 18, .: 30 & ugh 6 : Listec Sodiu 7-3, rt. 18-2, .: 34-2	elevant I m molybdate-2-hydrate 10102	
National regulatory is Substances Subject to Notified Names JP MSDSD Fire Service Law Japan. ISHL Hazardo Substances Labeling Requirements (ISHL A Enforcement Order A Enforcement Rule Art 31, as amended throu April 2018) Japan. SDS and Risk Assessment Requirer (ISHL Art. 57-2 and 5 Enforcement Order A	information o be : Thresh : Not re us : Listec Sodiu Art. 57, rt. 18, : 30 & ugh 6 : Listec ments Sodiu 7-3, rt. 18-2, : 34-2 ided erious : Not re	elevant I m molybdate-2-hydrate 10102 I m molybdate-2-hydrate 10102	
National regulatory is Substances Subject to Notified Names JP MSDSD Fire Service Law Japan. ISHL Hazardo Substances Labeling Requirements (ISHL / Enforcement Order A Enforcement Rule Art 31, as amended throu April 2018) Japan. SDS and Risk Assessment Requirer (ISHL Art. 57-2 and 5 Enforcement Order A Enforcement Rule Art and 34-2-2), as amen Poisonous and Deleter	information o be : Thresho : Not re ous : Listed Sodiu Art. 57, rt. 18, :. 30 & ugh 6 : Listed Sodiu 7-3, rt. 18-2, :. 34-2 ided erious : Not re aw etc. of : Class	elevant I m molybdate-2-hydrate 10102 I m molybdate-2-hydrate 10102	2-40-6



## Sodium molybdate dihydrate

### 331058-2.5KG

Version 1.4

Issuing date 07/22/2016

Revision Date 05/22/2020

Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof	Sodium molybdate-2-hydrate 10102-40-6
Other international regulations	
Notification status US. Toxic Substances Control Act	: On TSCA Inventory
Australia. Industrial Chemical : (Notification and Assessment) Act	: On the inventory, or in compliance with the inventory
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. Existing Chemicals	: 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 (IECSC)	: 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	
Health hazard :	HMIS III     NFPA       1     1       1     1       0     9/10



## Sodium molybdate dihydrate

:

#### 331058-2.5KG

Version 1.4 Issuing date 07/22/2016

Revision Date 05/22/2020

Print Date 08/03/2021

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 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: 09/29/2017

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group