

**Sodium bisulfate****71656-1KG**

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

**SECTION 1. IDENTIFICATION**

Product name : Sodium bisulfate

Number : 000000020905

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : Honeywell International Inc.  
1953 South Harvey Street  
Muskegon, MI 49442

For more information call : 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**  
:  
: (24 hours/day, 7 days/week)

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

Form : solid

Color : colourless

Odor : odourless

**Classification of the substance or mixture**

Classification of the substance or mixture : Serious eye damage, Category 1

**GHS Label elements, including precautionary statements**

## Sodium bisulfate

### 71656-1KG

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

Symbol(s)

:



Signal word

: Danger

Hazard statements

: Causes serious eye damage.

Precautionary statements

: **Prevention:**

Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

### Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula

: NaHSO<sub>4</sub>

Chemical nature

: Substance

Chemical name	CAS-No.	Concentration
Sodium bisulfate	7681-38-1	100.00 %

## SECTION 4. FIRST AID MEASURES

General advice

: First aider needs to protect himself. Move out of dangerous area. Immediately take off contaminated clothing and rinse body with plenty of water. Show this safety data sheet to the

## Sodium bisulfate

### 71656-1KG

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

	doctor in attendance.
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. Call a physician if irritation develops or persists.
Eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye. Call a physician immediately.
Ingestion	: When swallowed, allow water to be drunk. Do NOT induce vomiting. Call a physician immediately.

#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Foam Carbon dioxide (CO <sub>2</sub> ) Water spray Dry powder
Specific hazards during firefighting	: The product itself does not burn. Fire may cause evolution of: Sulphur oxides Sodium oxides
Special protective equipment for firefighters	: Wear self-contained breathing apparatus and protective suit. No unprotected exposed skin areas.
Further information	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Wear personal protective equipment. Unprotected persons must be kept away. Evacuate personnel to safe areas. Provide adequate ventilation.
---	--

**Sodium bisulfate****71656-1KG**

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

- Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Should not be released into the environment.  
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.

**SECTION 7. HANDLING AND STORAGE****Handling**

- Precautions for safe handling : Wear personal protective equipment.  
Use only in well-ventilated areas.  
Avoid breathing dust.  
Avoid contact with skin, eyes and clothing.
- 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.  
Protect from atmospheric moisture and water.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 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.
- Engineering measures : Use with local exhaust ventilation.
- Eye protection : Safety goggles

**Sodium bisulfate****71656-1KG**

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

- Hand protection : Latex gloves  
Gloves must be inspected prior to use.  
Replace when worn.
- Skin and body protection : Protective suit
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hygiene measures : Take off all contaminated clothing immediately.  
Remove and wash contaminated clothing before re-use.  
Keep working clothes separately.  
When using do not eat or drink.  
Wash hands before breaks and at the end of workday.

**Exposure Guidelines**

Contains no substances with occupational exposure limit values.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Physical state : solid
- Color : colourless
- Odor : odourless
- Odor threshold : Note: no data available
- pH : ca. 1.0 at , 20 °C
- Melting point/range : ca. 315 °C
- Boiling point/boiling range : Note: Decomposes on heating.
- Flash point : Note: Not applicable
- Evaporation rate : Note: no data available

**Sodium bisulfate****71656-1KG**

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

Flammability	: The product is not flammable.
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapor pressure	: Note: no data available
Vapor density	: Note: no data available
Density	: ca. 2.12 g/cm <sup>3</sup> at 20 °C
Water solubility	: 285 g/l at 25 °C
Partition coefficient: n-octanol/water	: Note: no data available
Auto-ignition temperature	: Note: not auto-flammable
Decomposition temperature	: Note: No decomposition if used as directed. 460 °C Note: Decomposition temperature
Viscosity, dynamic	: Note: no data available
Viscosity, kinematic	: Note: no data available
Molecular weight	: 120.06 g/mol

**Sodium bisulfate****71656-1KG**

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Protect from atmospheric moisture and water.
Incompatible materials	: Metals Bases
Hazardous decomposition products	: Sulphur oxides Sodium oxides

**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	: LD50: > 2,000 mg/kg Species: Rat Method: OECD Test Guideline 423 Test substance: REACH dossier "read-across"
Acute inhalation toxicity	: Note: Not classified due to data which are conclusive although insufficient for classification.
Acute dermal toxicity	: Note: no data available
Skin irritation	: Species: Rabbit Result: slight irritation Method: OECD Test Guideline 404 Note: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

**Sodium bisulfate****71656-1KG**

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

- Eye irritation : Species: Rabbit  
Result: Risk of serious damage to eyes.  
Method: OECD Test Guideline 405
- Sensitisation : Species: Guinea pig  
Result: non-sensitizing  
Test substance: REACH dossier "read-across"  
Method: OECD Test Guideline 406
- Repeated dose toxicity : Note: Not classified due to data which are conclusive although insufficient for classification.
- Genotoxicity in vitro : 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  
Test substance: REACH dossier "read-across"
- : Test Method: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative  
Test substance: REACH dossier "read-across"
- : Test Method: Chromosome aberration test in vitro  
Cell type: Chinese Hamster Lung Cells  
Metabolic activation: with and without metabolic activation  
Result: negative  
Method: OECD Test Guideline 473  
Test substance: REACH dossier "read-across"

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

- Toxicity to fish : static test  
LC50: 7,960 mg/l  
Exposure time: 96 h  
Species: Pimephales promelas (fathead minnow)



**Sodium bisulfate****71656-1KG**

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

Test substance: REACH dossier "read-across"

Toxicity to daphnia and other aquatic invertebrates : static test  
LC50: 1,766 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
Test substance: REACH dossier "read-across"

Toxicity to algae : Note: Not classified due to data which are conclusive although insufficient for classification.

**Elimination information (persistence and degradability)**

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

**Further information on ecology****SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

**SECTION 14. TRANSPORT INFORMATION**

**DOT** Not dangerous goods

**TDG** Not dangerous goods

**IATA** Not dangerous goods

**IMDG** Not dangerous goods

**SECTION 15. REGULATORY INFORMATION****Inventories**

**Sodium bisulfate****71656-1KG**

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

- 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 Inventory (KECI) : 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

**National regulatory information****WHMIS****Components** : Sodium bisulfate 7681-38-1**NPRI**

Canadian National Pollutant Release Inventory (NPRI): No component is listed on NPRI.

**Sodium bisulfate****71656-1KG**

Version 1.2

Revision Date 04/08/2019

Print Date 06/25/2019

**SECTION 16. OTHER INFORMATION**

	<b>HMIS III</b>	<b>NFPA</b>
Health hazard	: 2	2
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 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: 05/26/2017

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group