

## SAFETY DATA SHEET

according to US Regulation 29 CFR 1910.1200 and the Canadian HPA

## RENDEZVOUS SPA SPECIALTIES DECREASE

Version 1.0

Revision Date 2019.02.12

Print Date 2019.08.27

### SECTION 1. IDENTIFICATION

Product name : RENDEZVOUS SPA SPECIALTIES DECREASE

#### Manufacturer or supplier's details

Company : Arch Chemicals, Inc.  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA  
30004  
United States of America (USA)

E-mail address : sds@lonza.com  
Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,  
CHEMTREC WORLD-WIDE: +1-703-527-3887.

#### Recommended use of the chemical and restrictions on use

Recommended use : Water treatment chemical

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin corrosion : Category 1B  
Serious eye damage : Category 1  
Specific target organ toxicity -  
single exposure : Category 3

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

Precautionary statements : **Prevention:**  
P260 Do not breathe vapours.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/  
face protection.  
**Response:**  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT  
induce vomiting.

## RENDEZVOUS SPA SPECIALTIES DECREASE

---

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P363 Wash contaminated clothing before reuse.  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P310 Immediately call a POISON CENTER/doctor.  
 P321 Specific treatment (see supplemental first aid instructions on this label).  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**Storage:**  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
**Disposal:**  
 P501 Dispose of contents/container in accordance with local regulation.

### Other hazards

None known.

---

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

### Hazardous components

Chemical name / Synonyms	CAS-No.	Concentration (% w/w)
Sodium hydrogensulphate	7681-38-1	30 - 40

---

## SECTION 4. FIRST AID MEASURES

Most important symptoms and effects, both acute and delayed : None known.

---

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Not Applicable. - Choose extinguishing media suitable for surrounding materials.

Specific hazards during firefighting : Material will not ignite or burn.

Further information : In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.

---

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedure : Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not

## RENDEZVOUS SPA SPECIALTIES DECREASE

---

- dures limited to boots, impervious gloves, hard hat, splash-proof goggles, impervious clothing, i.e., chemically impermeable suit, self-contained breathing apparatus.  
Stop source of spill as soon as possible and notify appropriate personnel.  
Utilize emergency response personal protection equipment prior to the start of any response.  
Evacuate all non-essential personnel.  
Dispose of spill residues per guidelines under Section 13, Disposal Consideration.
- Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Do not flush into surface water or sanitary sewer system.
- 

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water.  
Avoid breathing dust from this material.
- Conditions for safe storage : Store in a cool dry ventilated location, away from sources of ignition or other incompatible conditions and chemicals. Keep container(s) closed.  
Avoid contact with water, or moist air.
- Materials to avoid : Refer to Section 10, "Incompatible Materials."
- 

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : Local exhaust ventilation is recommended if vapors, mists, aerosols or dusts are generated. Otherwise, use general exhaust ventilation.  
No exposure limits exist for the constituents of this product.

#### Personal protective equipment

- Respiratory protection** : Respiratory protection not normally needed.  
If vapors, mists or aerosols are generated, wear a NIOSH approved respirator.  
A NIOSH approved full-face or half-face respirator in combination with chemical goggles.  
NIOSH approved half-face air purifying respirator with an N95 filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

## RENDEZVOUS SPA SPECIALTIES DECREASE

---

Hand protection

- |                          |  |
|--------------------------|--|
| Remarks                  | : Wear impervious gloves, boots and apron to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body. |
| Eye protection           | : Use chemical goggles and a faceshield.   |
| Skin and body protection | : butyl-rubber<br>Neoprene   |
| Protective measures      | : Ensure that eyewash stations and safety showers are close to the workstation location.   |

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- |  |   |
|--|---|
| Appearance                             | : liquid  |
| Colour                                 | : white   |
| Odour                                  | : no data available   |
| Odour Threshold                        | : no data available   |
| pH                                     | : < 0.0 - 1.0   |
| Melting point/freezing point           | : Not applicable  |
| Boiling point/boiling range            | : 219.9 °F / 104.4 °C   |
| Flash point                            | : Not applicable  |
| Evaporation rate                       | : Not applicable  |
| Flammability (solid, gas)              | : Product is not known to be flammable, combustible, pyrophoric or explosive. |
| Flammability (liquids)                 | : no data available   |
| Upper explosion limit                  | : no data available   |
| Lower explosion limit                  | : no data available   |
| Vapour pressure                        | : no data available   |
| Relative vapour density                | : Not applicable  |
| Relative density                       | : 1.30 (68 °F / 20 °C)  |
| Density                                | : no data available   |
| Water solubility                       | : soluble   |
| Partition coefficient: n-octanol/water | : Not applicable  |
| Auto-ignition temperature              | : no data available   |

## RENDEZVOUS SPA SPECIALTIES DECREASE

---

Decomposition temperature : no data available

Viscosity, dynamic : no data available

Viscosity, kinematic : no data available

---

### SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions : Stable under normal conditions.  
Product will not undergo hazardous polymerization.

Conditions to avoid : Heat

Incompatible materials : Oxidizing agents  
Bases

Hazardous decomposition products : Sulfur oxides

---

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, skin, eyes, ingestion  
sure

#### Acute toxicity

Acute oral toxicity : LD50 (Rat): Believed to be 3,000 mg/kg

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Acute toxicity (other routes of administration) : Remarks: Corrosive to eyes and skin  
Inhalation of mist or vapor may cause irritation to the mucous membranes of the respiratory tract.

#### Skin corrosion/irritation

Result: Corrosive to skin

#### Serious eye damage/eye irritation

Result: Corrosive to eyes

#### Respiratory or skin sensitisation

Remarks: This material is not known or reported to be a skin or respiratory sensitizer.

#### Carcinogenicity

##### IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

##### OSHA

No component of this product present at levels greater than or

**RENDEZVOUS SPA SPECIALTIES DECREASE**

---

	equal to 0.1% is on OSHA's list of regulated carcinogens.
<b>NTP</b>	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.
<b>ACGIH</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
<b>Repeated dose toxicity</b>	
Remarks:	Not known or reported to cause subchronic or chronic toxicity.
<b>Further information</b>	
Remarks:	no data available

---

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

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Other adverse effects**

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : Slightly toxic to fish and other aquatic organisms.

---

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : If this product becomes a waste, it meets the criteria of a hazardous waste as defined under 40 CFR 261 and would have the following EPA hazardous waste number: D002.  
As a hazardous liquid waste it must be disposed of in accordance with local, state and federal regulations.

---

**SECTION 14. TRANSPORT INFORMATION**

## RENDEZVOUS SPA SPECIALTIES DECREASE

---

### DOT

**UN number** : 2837  
**Proper shipping name** : Bisulfate, aqueous solution  
**Transport hazard class** : 8  
**Packing group** : II  
 Labels : 8  
 Emergency Response Guidebook Number : 154  
**Environmental hazards** : no

### TDG

**UN number** : 2837  
**Proper shipping name** : BISULFATES, AQUEOUS SOLUTION  
**Transport hazard class** : 8  
**Packing group** : II  
 Labels : 8  
**Environmental hazards** : no

### IATA

**UN number** : 2837  
**Proper shipping name** : Bisulphates, aqueous solution  
**Transport hazard class** : 8  
**Packing group** : II  
 Labels : 8  
**Environmental hazards** : no

### IMDG

**UN number** : 2837  
**Proper shipping name** : Bisulphates, aqueous solution  
**Transport hazard class** : 8  
**Packing group** : II  
 Labels : 8  
 EmS Number 1 : F-A  
 EmS Number 2 : S-B  
**Environmental hazards** : Marine pollutant: no

### ADR

**UN number** : 2837  
**Proper shipping name** : BISULPHATES, AQUEOUS SOLUTION  
**Transport hazard class** : 8  
**Packing group** : II  
 Classification Code : C1  
 Hazard Identification Number : 80  
 Labels : 8  
**Environmental hazards** : no

**RENDEZVOUS SPA SPECIALTIES DECREASE**

---

**RID**

**UN number** : 2837  
**Proper shipping name** : BISULPHATES, AQUEOUS SOLUTION  
**Transport hazard class** : 8  
**Packing group** : II  
Classification Code : C1  
Hazard Identification Number : 80  
Labels : 8  
**Environmental hazards** : no

**Special precautions for user** : none

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not applicable

---

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards**

See above: SECTION 2. Hazard Identification-GHS Classification

**SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

**Clean Water Act**



## RENDEZVOUS SPA SPECIALTIES DECREASE

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### US State Regulations

#### Massachusetts Right To Know

Components	CAS-No.
Sodium sulphate	7757-82-6

#### Pennsylvania Right To Know

Components	CAS-No.
Sodium hydrogensulphate	7681-38-1

#### New Jersey Right To Know

Components	CAS-No.
Sodium hydrogensulphate	7681-38-1
Sodium sulphate	7757-82-6

#### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### Canadian lists

##### NPRI

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

#### The components of this product are reported in the following inventories:

TSCA : The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials

**RENDEZVOUS SPA SPECIALTIES DECREASE**

---

Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

First formulated version in SAP.

Revision Date : 2019.02.12

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.

Date format : yyyy/mm/dd

US / EN