

## Material Safety Data Sheet

### **SECTION 1 – IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY**

**Product Name:** Advanced Instruments/ Fiske Associates Cryoscope Solutions  
**Product Number(s):** 3LA022, 3LA023, 3LA027, 3LA030, 3LA032, 3LA033, 00A042, 00A043, 00A059, 00A062, and 00A063.  
**Manufacturer/Supplier:** Advanced Instruments, Inc./Fiske Associates  
Two Technology Way  
Norwood, MA 02062  
1-781-320-9000  
**Origin:** USA  
**Date of Issue:** 2010-07-01

**Chemical Identification(s):** Sodium Chloride (NaCl) and 2-Hydroxybiphenyl Sodium Salt Tetrahydrate (C<sub>12</sub>H<sub>9</sub>NaO·4(H<sub>2</sub>O))  
**Intended Use:** Dilute, aqueous sodium chloride solutions used for cryoscope instrument calibration and quality control.

### **SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

**Component:**  
Sodium Chloride  
**CAS #:**  
7647-14-5  
**Synonyms:**  
Salt  
**Percent:**  
0.006 % to 0.010%

**Component:**  
2-Hydroxybiphenyl Sodium Salt Tetrahydrate  
**CAS #:**  
132-27-4  
**Percent:**  
<0.1%

### **SECTION 3 – HAZARDS IDENTIFICATION**

#### **Health**

##### **Routes of Entry:**

Inhalation, ingestion, or skin contact.

##### **Health Hazards:**

Irritating on contact with skin, eyes, mucous membranes, or upper respiratory tract.

##### **Carcinogenicity:**

Not available

##### **Symptoms of Exposure:**

Not available

##### **Medical Conditions Aggravated by Exposure:**

None Indicated

### **SECTION 4 – FIRST AID MEASURES**

#### **Emergency and First Aid Procedures:**

SEEK MEDICAL ASSISTANCE IN ALL CASES OF OVEREXPOSURE.

##### **Eyes:**

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

##### **Skin:**

In case of contact, immediately wash skin with soap and copious amounts of water.

##### **Inhalation:**

If inhaled, remove to fresh air.

##### **Ingestion:**

If conscious, drink water and induce vomiting immediately as directed by medical personnel.

## **SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point (°F):**

Not available

**Flammable Limits:**

LEL: Not available

UEL: Not available

**Extinguishing Media:**

Water spray, carbon dioxide, dry chemical powder, or appropriate foam

**Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing.

**Fire and Explosion Hazards:**

Not considered a fire or explosion hazard.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Spill Response:**

Wear suitable protective equipment listed under Section 8, Exposure Controls/Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source, if it can be done without risk. Clean up and place in closed container for proper disposal as described under, Section 13, Disposal Considerations. Comply with local, state, and country regulations on reporting releases. Refer to Section 15, Regulatory Information, for regulatory data.

## **SECTION 7 – HANDLING AND STORAGE**

Keep container tightly closed. Store at controlled room temperature. Do not get in eyes, on skin, or on clothing.

## **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:**

Adequate ventilation is required. Protective gloves must be worn to prevent skin contact (Neoprene or equivalent).

Safety glasses with side shields must be worn at all times.

**Work/Hygienic Practices:**

Wash hands thoroughly after handling. Do not take internally. Eyewash and safety equipment should be readily available.

## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Clear liquid

**Boiling Point:**

Not available

**Specific Gravity (H<sub>2</sub>O = 1):**

Not available

**Melting Point (°C):**

Not available

**Evaporation Rate (BuAc = 1):**

Not available

**Vapor Pressure (mm Hg):**

Not available

**Vapor Density (AIR = 1):**

Not available

**Volatility:**

Not available

**Solubility in Water (%):**

Soluble

## **SECTION 10 – STABILITY AND REACTIVITY**

### **Stability:**

Stable

### **Conditions to Avoid:**

Sources of light

### **Materials to Avoid:**

Strong oxidizing agents and acids

### **Hazardous Decomposition:**

Carbon dioxide and carbon monoxide

### **Hazardous Polymerization:**

Does not occur.

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

### **Symptoms of Exposure:**

Ingestion is harmful and may be fatal. Irritating on contact with skin, eyes, mucous membranes, or upper respiratory tract.

### **Medical Conditions Aggravated by Exposure:**

None indicated.

### **Routes of Entry:**

Inhalation, ingestion, or skin contact.

### **Carcinogenicity:**

Not available

### **Toxicity Data:**

Not available

### **Toxicological Findings:**

Not available

## **SECTION 12 – ECOLOGICAL INFORMATION**

Data not available

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

### **EPA Waste Numbers:**

Not available

### **Treatment:**

Specified Technology – Contact your local permitted waste disposal site (TSD) for permissible treatment sites. ALWAYS CONTACT A PERMITTED WASTE DISPOSAL SITE (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE, AND COUNTRY REGULATIONS.

### **Other:**

Abfallschlüsselnummern in Austria (ÖNORM S2100): 59305

## **SECTION 14 – TRANSPORTATION INFORMATION**

### **DOT Proper Shipping Name:**

Not regulated

### **DOT ID Number:**

Not regulated

## **SECTION 15 – REGULATORY INFORMATION**

### **European Information:**

Not available

### **Reviews, Standards, and Regulations:**

Not available

## **SECTION 16 – OTHER INFORMATION**

### **Comments:**

None

### **NFPA Hazard Ratings:**

Health: Not available

Flammability: Not available

Reactivity: Not available

Special Hazards: Not available

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