

# MATERIAL SAFETY DATA SHEET

<b>1. IDENTIFICATION AND GENERAL INFORMATION</b>		<u>NFPA Code</u>
P/N#:	<b>2040-11K</b>	H 0
Nomenclature:	<b>Saccharin Sensitivity Solution</b>	F 0
Company Name:	Allegro Industries	R 0
Address:	1360 Shiloh Church Rd Piedmont, SC 29673 864-846-8740 Chemtrac: 800-424-9300	O 0
<b>2. COMPOSITION</b>		
Product Name:	Sodium Saccharin	
Chemical Family:	N/A	
Synonyms:	N/A	
Ingredient:	Sodium Saccharin	Water
CAS Number:	6155-57-3	7732-18-5
Percent:	<1%	>99%
Molecular Weight:	N/A	
Molecular Formula:	N/A	
Notes:	None.	
<b>3. HAZARDS IDENTIFICATION</b>		
Physical Dangers:	N/A	
Chemical Dangers:	N/A	
Routes of Exposure:	N/A	
Target Organs:	N/A	
<b><u>Health Hazards</u></b>		
Inhalation:	No health effects are expected.	
Skin Contact:	No health effects are expected.	
Eye Contact:	No health effects are expected.	
Ingestion:	No health effects are expected.	
Notes:	None.	
<b>4. FIRST AID MEASURES</b>		
Inhalation:	No need for first aid is anticipated.	
Skin Contact:	Wash affected area with soap and water. If symptoms persist, get medical attention.	
Eye Contact:	Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.	
Ingestion:	No need for first aid is anticipated.	
<b>5. FIRE FIGHTING MEASURES</b>		
Fire Hazards:	Not applicable.	
Explosion Hazards:	Not applicable.	
Fire Extinguisher:	Material will not burn.	
Flash Point:	Not applicable.	
Auto Ignition Temperature:	No data available.	
Flammable Limits-LEL:	Not applicable.	
Flammable Limits-UEL:	Not applicable.	
Special Fire Fighting Proc:	Wear full protective equipment and a self-contained breathing apparatus.	
Notes:	None.	
<b>6. ACCIDENTAL RELEASE MEASURES</b>		
Environmental Procedures:	Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.	
Clean-up Methods:	Contain spill. Collect as much of the spilled material as possible. Clean up residue with detergent and water.	
<b>7. HANDLING AND STORAGE</b>		
Handling:	For industrial or professional use only.	
Storage:	Not applicable.	
Shelf Life:	3 years.	
Notes:	None.	
<b>8. EXPOSURE CONTROLS</b>		
Inhalation:	Not applicable.	
Skin:	Not applicable.	
Eye:	Avoid eye contact.	
Ingestion:	Not applicable.	
Engineering Controls:	Not applicable.	
Notes:	None.	

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Color/Appearance/Odor: Clear, sweet liquid.  
Melting Point: No data available.  
Water Content: >99%  
Density: Not applicable.  
Vapor Density: No data available.  
Specific Gravity: 1 [Ref Std: Water=1] [Details: Conditions: 1.0]  
Volatile Organic Compounds: No data available.  
Kow-Oct/Water Partition Coef: No data available.  
VOC Less H2O & Exempt  
Solvents: No data available.  
Viscosity: No data available.

## 10. STABILITY AND REACTIVITY

Stability: Stable.  
Conditions to Avoid: None known.  
Materials to Avoid: None known.  
Hazardous Polymerization: Will not occur.  
Hazardous Decomposition or  
By-Products: 

<u>Substance</u>	<u>Condition</u>
Carbon Monoxide	Not specified
Carbon Dioxide	Not specified
Oxides of Nitrogen	Not specified
Oxides of Sulfur	Not specified

## 11. TOXICOLOGICAL INFORMATION

Health Effects: N/A  
Oral LD50: N/A  
Dermal LD50: N/A  
Notes: None.

## 12. ECOLOGICAL INFORMATION

Ecological Information: Not determined.  
Chemical Fate Information: Not determined.  
Notes: None.

## 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Reclaim if feasible. Discharge spent solutions and small quantities (less than 5 gal. (19 L)) to a wastewater treatment system.  
EPA Hazardous Waste Number (RCRA): Not regulated.  
Notes: None.

## 14. TRANSPORT INFORMATION

Proper Shipping Name: N/A  
Hazard Class: N/A  
Transport Emergency Card: N/A  
Packing Group: N/A  
UN Number: N/A  
ID Number: 70-0701-2145-7  
Notes: None.

## 15. REGULATORY INFORMATION

Hazard Categories: Fire Hazard- No  
Pressure Hazard- No  
Reactivity Hazard- No  
Immediate Hazard- No  
Delayed Hazard- No  
Chemical Inventories: The components of this product are in compliance with the chemical notification requirements of TSCA.  
All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances or are exempt polymers whose monomers are listed on EINECS.

## 16. OTHER INFORMATION

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical properties of combustion or decomposition products that are known to be generated in significant quantities.

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# MATERIAL SAFETY DATA SHEET

<b>1. IDENTIFICATION AND GENERAL INFORMATION</b>		<b><u>NFPA Code</u></b>
P/N#:	<b>2040-12K</b>	H 1
Nomenclature:	<b>Saccharin Test Solution</b>	F 1
Company Name:	Allegro Industries	R 0
Address:	1360 Shiloh Church Rd Piedmont, SC 29673 864-846-8740 Chemtrac: 800-424-9300	O 0
<b>2. COMPOSITION</b>		
Product Name:	Sodium saccharin dihydrate	
Chemical Family:	N/A	
Synonyms:	Sodium o-benzosulfimide, dihydrate; Saccharin sodium dihydrate; Sodium saccharin dihydrate; Sodium saccharinate; Sodium 1,2-benzisothiazolin-3-one, 1,1-dioxide, dihydrate	
Ingredient:	Sodium Saccharin Dihydrate	Purified Water
CAS Number:	128-44-9	7732-18-5
Percent:	0.8%	99.2%
Molecular Weight:	241.19g/mole	
Molecular Formula:	C7H4NNaO3S.2H2O	
Toxicological Data on Ingredients:	Oral (LD50): Acute: 14200 mg/kg [Rat], 17500 mg/kg [Mouse]	
Notes:	None.	
<b>3. HAZARDS IDENTIFICATION</b>		
Physical Dangers:	N/A	
Chemical Dangers:	N/A	
Routes of Exposure:	N/A	
Target Organs:	N/A	
<b><u>Health Hazards</u></b>		
Inhalation:	N/A	
Skin Contact:	N/A	
Eye Contact:	N/A	
Ingestion:	N/A	
Chronic Exposure:	N/A	
Acute Exposure:	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.	
Aggr. of Pre-Ex Cond:	N/A	
Carcinogenic Effects:	3 (Not classifiable for human) by IARC.	
Mutagenic Effects:	Mutagenic for mammalian somatic cells.	
Teratogenic Effects:	Not available. Repeated or prolonged exposure is not known to aggravate medical condition.	
Developmental Toxicity:	N/A	
Notes:	None.	
<b>4. FIRST AID MEASURES</b>		
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.	
Skin Contact:	Wash with soap and water. Cover the irritated skin with emollient. Get medical attention if irritation develops. Cold water may be used.	
Eye Contact:	Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used.	
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt, or waistband. Get medical attention if symptoms appear.	
<b>5. FIRE FIGHTING MEASURES</b>		
Fire Hazards:	Slightly flammable to flammable in the presence of heat.	
Fire Extinguisher:	Small fire: Use DRY chemical powder. Large fire: Use water spray, fog, or foam. Do not use water jet.	
Explosion Hazards:	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.	
Flash Point:	N/A	
Flammable Limits:	N/A	
Volatile (% by volume):	N/A	
Exp. Limits (Vol % in air):	N/A	
Flammability of Product:	May be combustible at high temperature.	
Auto Ignition Temperature:	N/A	
Special Fire Fighting Proc:	N/A	
PPE for Fire Fighters:	N/A	
Notes:	None.	
<b>6. ACCIDENTAL RELEASE MEASURES</b>		
Procedure for Spill/Leak:	Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.	

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<b>7. HANDLING AND STORAGE</b>	
Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Precautions:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable clothing. If ingested, seek medical advice immediately show the container or label.
Shelf Life:	3 years.
PPE:	N/A
Notes:	None.
<b>8. EXPOSURE CONTROLS</b>	
PPE:	Safety glasses. Lab coat. Dust Respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill:	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Inhalation:	N/A
Skin:	N/A
Eye:	N/A
Ingestion:	N/A
Ventilation:	N/A
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Work/Hygienic Practices:	N/A
Exposure Limits:	N/A
Notes:	None.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
Color/Appearance/Odor:	Clear liquid with a sweet taste.
Boiling Point:	N/A
Melting Point:	N/A
Specific Gravity (H <sub>2</sub> O=1):	N/A
Refractive Index:	N/A
Relative Density:	N/A
Evaporative Rate :	N/A
Water Content:	99.2%
Vapor Density( Air=1):	N/A
Vapor Pressure:	N/A
Water/Oil Dist. Coeff:	N/A
Ionicity: (in Water)	N/A
Solubility in Water:	Soluble in cold water, hot water.
<b>10. STABILITY AND REACTIVITY</b>	
Stability:	The product is stable.
Instability Temperature:	N/A
Conditions of Instability:	Excess heat, incompatible materials, dust generation.
Incompatibility with Various Substances:	Reactive with oxidizing agents.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	N/A
Special Remarks on Corrosivity:	Will not occur.
Polymerization:	N/A
<b>11. TOXICOLOGICAL INFORMATION</b>	
Routes of Entry:	Inhalation. Ingestion.
Toxicity to Animals:	Acute oral toxicity (LD50): 14200 mg/kg [Rat]
Chronic Effects on Humans:	Carcinogenic Effects: 3 (not classifiable for human.) by IARC. Mutagenic Effects: Mutagenic for mammalian somatic cells.
Other Toxic Effects on Humans:	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Chronic Effects on Humans:	May effect genetic material (mutagenic). May cause adverse reproductive effects. may cause cancer based on animal tested data.
Special Remarks on Other Toxic Effects on Humans:	Acute Potential Health Effects: Skin: May cause skin irritation by mechanical action. Eyes: Dust may cause eye irritation by mechanical action. Inhalation: Dust may cause eye irritation by mechanical action. Ingestion: Low hazard. Ingestion of very large quantities may cause nausea. Vomiting, diarrhea. Chronic Potential Health Effects: Ingestion: Prolonged or repeated ingestion of large amounts may affect the urinary system, immune system, and cause weight loss.
Notes:	None.

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## 12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A  
BOD5 and COD: N/A  
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.  
Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.  
Special Remarks on the Products of Biodegradation: N/A  
None.

## 13. DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

## 14. TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material (United States).  
Proper Shipping Name: N/A  
Hazard Class: N/A  
Transport Emergency Card: N/A  
Packing Group: N/A  
UN Number: N/A  
Reportable Quantity: N/A  
Notes: None.

## 15. REGULATORY INFORMATION

TSCA Registered: N/A  
California Proposition 65 Warning: California prop. 65: This product contains the following ingredients for which the State of California has been found to cause birth defects or other reproductive harm, which would require a warning under the statute: Sodium saccharin dihydrate.  
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Sodium saccharin dihydrate  
Other Regulations: EINECS: This product is not on the European Inventory of Existing Commercial Chemical Substances.  
Canada: Not listed on Canadian Domestic Substance List (DSL) or Canadian Non-Domestic Substance List (NDSL).  
China: Not listed on National Inventory.  
Japan: Listed on National Inventory (ENCS).  
Korea: Not listed on National Inventory (KECI).  
Philippines: Not listed on National Inventory (PICCS).  
Australia: Listed on AICS.  
FDA Approved: N/A  
ICSC: N/A

## 16. OTHER INFORMATION

None.

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