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MATERIAL SAFETY DATA SHEET DIRECTIVE 91/155/EEC

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

1.1 Chemical Nature, Sales Name, Use: Sweetener, Alginate Flavoring, Flavoring

1.2 Company Identification:

G&H Wire Company
P.O. Box 248
Greenwood, Indiana 46142
Telephone: 317-346-6655
Facsimile: 317-346-6663

1.3 Emergency Contact: Poison Control Center

2. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	
Propylene Glycol	N/A	N/A	
Sodium Saccharin Syncal GS	15 mg/m	10 mg/m	CAS# 128-44-9
Natural & Synthetic Flavorings (recognized as safe in foods (gras))	N/A	N/A	

3. HAZARDS IDENTIFICATION

Effects of overexposure: injection of large doses of sodium saccharin by laboratory rats has been associated with the development of bladder tumors under extreme conditions. This has resulted in classification of saccharin as a suspect carcinogen by the US National Toxicology Program (NTP) and by the international agency for research on cancer. The weight of human evidence, however, shows no connection between ingestion of sodium saccharin and development of bladder tumors. The risk to humans, if any, appears minimal at normal, low exposure. Occupational exposure has caused no known problems. There is a potential for foreign body irritation to the eyes, skin, and respirator tract, as there is for all particulate materials.

4. FIRST-AID MEASURES

4.1 Inhalation: May cause irritation of nasal and respiratory passages. Get medical attention immediately.

4.2 Skin Contact: Wash affected area thoroughly with water followed by soap and water. Get medical attention immediately.

- 4.3 Eye Contact: Wash affected area thoroughly with water followed by soap and water. Get medical attention immediately.
- 4.4 Ingestion: If swallowed: immediately drink two glasses of water and induce vomiting by either giving ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Water Fog, Carbon Dioxide, Foam, Dry Chemical, Water

5.2 Unsuitable Extinguishing Media:

5.3 Particular Hazards:

Never use welding or cutting torch on or near drums (even empty) because product (even just residue) can ignite explosively. Water or foam may cause frothing which can be violent and possible endanger the life of the firefighter especially if sprayed into containers of hot, burning liquid.

5.4 Protective Equipment for Fire-Fighters:

Wear self-contained breathing apparatus with a full face piece operated in the positive pressure mode when fighting fires.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:

Do not use more than 36 drops. Adding more than 36 drops will exceed the quantity of 30 milligrams additive calculated as sodium saccharin per serving of designated size 21 CFR & 180.37(3).

6.2 Environmental Precautions:

Current regulation requires handling saccharin as a hazardous waste, in accordance with local, state, and federal (RCRA) regulations.

6.3 Cleaning Methods:

Sweep up and place in a covered waste disposal.

7. HANDLING AND STORAGE

- 7.1 Handling: Use only in a highly professional manner. Always use gloves when handling product.
- 7.2 Storage: Avoid excessive heat and humidity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Always use gloves when handling product. Ventilation recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Form: Oily liquid
Color:
Odor: Characteristic odor and sweet taste
- 9.2 Change of State: N/A
Melting Point/Range: N/A
Boiling Point: N/A
- 9.3 Flash Point: N/A
- 9.4 Ignition Point: N/A
- 9.5 Vapor Pressure (20°C): N/A
- 9.6 Density (20°C): N/A
- 9.7 Solubility in: Water (20°C): Partially soluble at 1:1 with water
Organic Solvent (20°C):
- 9.8 PH-Value (at 10g/1H₂O): N/A
- 9.10 Viscosity (20°C): N/A

10. STABILITY AND REACTIVITY

- 10.1 Thermal Decomposition: Yes
- 10.2 Conditions to Avoid: Avoid fire or excessive heat.
- 10.3 Materials to Avoid: Avoid contact with strong oxidizing agents.
- 10.4 Hazardous Decomposition Products: Emits toxic fumes under fire conditions.

11. TOXICOLOGICAL INFORMATION

- 11.1 Oral Toxicity: See step 3
- 11.2 Inhalation: See step 3
- 11.3 Skin Irritation: See step 3
- 11.4 Sensitization: See step 3
- 11.5 Eye Irritation: See step 3

11.6 Further Details:

12. ECOLOGICAL INFORMATION

- 12.1 Acute Toxicity in Fish (LC-50/48h): Not known
- 12.2 Bacteria Toxicity (EC-0): Not known
- 12.3 Biodegradability: Not known
- 12.4 Further Details:

13. DISPOSAL CONSIDERATIONS

- 13.1 Product: Current regulation requires handling saccharin as an hazardous waste, in accordance with local, state, and federal (RCRA) regulations.
- 13.2 Packaging: In accordance with local, state, and federal regulations.
- 13.3 Waste Disposal Code: In accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

- 14.1 Overland Transport ADR/RID/GGVS/GGVE:
- 14.2 Sea Transport GGVSEA/IMDG-Code:
- 14.3 Air Transport ICAO/IATA-DGR:
- 14.4 Inland Waterway Transport ADNR:
- 14.5 Further Details:

15. REGULATORY INFORMATION

Preparation as defined by the (German) Chemicals Act (dated 4/03/1990).

15.1 Labeling:

Product Contains:
Danger Symbol:
R-Sentences R36/37/38:
S-Sentences S26:
S-Sentences S28:

15.2 National Regulation:

VbF:
TA-Air:
Water Pollution 1:

16. OTHER INFORMATION

- 16.1 The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. Therefore, it should not be construed as guaranteeing specific properties.
- 16.2 Information reviewed February 6, 2014