

# MATERIAL SAFETY DATA SHEET INVERT SYRUP / GOLDEN SYRUP / TREACLE :-

## 1. SECTION 1 :- Identification of The Material and Supplier

- Applicable In : India
- Other Names : Fructose/ Glucose/ Sucrose solution in water
- Recommended Use : Food Additive, Foodstuff, Food Industry, Pharmaceuticals, Distillery
- Company : Invert Sugar (India) Pvt.Ltd.
- Address : 66,Shankar Vihar, Vikash Marg, Delhi:- 110092
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This Material Safety Data Sheet (MSDS) is issued by the supplier. The information in it must not be altered, deleted or added to. The supplier will not accept any responsibility for any changes made to its MSDS when there is a change in local standards, guidelines or regulation and / or material change in product specification.

## SECTION 2 :- First Aid Measures

- Swallowed: Give water to drink.
- Eye: Flush thoroughly with copious amounts of running water. If symptoms persist, seek medical attention.
- Skin: Wash thoroughly with soap and water.
- Inhaled: Remove to fresh air.
- Advice to doctor: Treat symptomatically. people with diabetes may need stabilization.

## SECTION 3 :-Fire Fighting Measures

- Specific Hazards: Incompatible with strong oxidizing
- Flammability: Low, product will burn in surrounding fire situation.
- Extinguishing Media: Water, dry chemical, carbon dioxide, BCF and foam.
- Hazards from combustion products: With heat, product burns/oxidizes to form carbon, carbon monoxide and or carbon dioxide and smoke.
- Special protective precautions and equipment for fire fighters:- Standard fire-fighting precautions applicable.
- 6.Hazchem code : - None allocated

## SECTION 4 :- Accidental Release Measures

- Spills: We sweep, vacuum or pump into containers. Wash area with water. Notify any relevant waste or environmental out

## SECTION 5 : - Handling And Storage

**1.Handling :** - material can ferment if excessive moisture contamination is allowed. Fermentation can yield carbon dioxide with possible traces of ethanol or volatile fatty acids(e.g. acetic, propionic, lactic or butyric) and if exposed to a spark or flame may result in an explosion. This condition should be avoided. if maintenance of tank requires entry by personnel, confined space precaution should be complied with. Insufficient oxygen may be present in vessels containing the product due to the generation of carbon monoxide during fermentation.

**2.Storage :-** This product should be stored in its factory packaging in a dry area. Invert Syrup/ Golden Syrup/ Treacle in bulk should be stored in a vented tank designed to contain a material with a specific gravity of 1.3 or greater. Localized microbiological deterioration may start in areas where the liquid becomes diluted. Storage above 40°C can lead to spontaneous decomposition.

## SECTION 6 : - Exposure Controls/ Personal Protection

- Exposure Standards : None allocated
- Engineering Controls : General room ventilation should be adequate, but local mechanical ventilation may be required if liquid mists are generated, particularly in confined spaces.
- Ventilation : - work areas should be cleaned regularly by wet sweeping or vacuuming.
- 4.Personal Protection:- If engineering controls and work practices are not effective in controlling exposure, then personal protective equipment may be required.
- Skin Protection : - Direct skin contact should be avoided by wearing long sleeved shirts and long trousers, a cap or hat and gloves (PVC coated fabric or equivalent AS 2161) Work clothes should be washed regularly.
- Eye Protection : - Ventilated non-fogging goggles should be worn if liquid mist is generated.
- Respiratory : - An approved particulate respirator should be worn when working in liquid mists or dusts. Respirators should be correctly fitted, maintained in good condition and kept in clean storage when not in use

## SECTION 7 : -TOXICOLOGICAL INFORMATION

- Toxicity Data: Non-toxic as a foodstuff

- Sucrose: LD50 (Ingestion): 29,700 mg/kg (rat)
- Glucose LD50 (Ingestion): 25,800 mg/kg(rat)

#### Health Effects : - Acute (short term)

- Inhaled: No health effects under normal condition of industrial use, but ingestion may destabilize people with diabetes.
- Eye : - Irritating to the eyes and may cause watering and redness.
- Skin : - Not applicable unless aerosolized into liquid mists which may cause irritation to nose and throat.
- Chronic : - Repeated skin exposure to Invert Syrup /Golden Syrup /Treacle may result in skin irritation in some cases.