

# GIBCO PRODUCTS INTERNATIONAL, INC.

## GIBCO'S DRY

### SAFETY DATA SHEET

#### Section 1: Identification of the substance/mixture and of the company/undertaking

**Product Name:** GIBCO'S DRY

**Product Code:** 36843

#### Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Emulsifier

Uses advised against: None known.

#### Details of the supplier of the safety data sheet and Emergency telephone numbers

GIBCO Products International, Inc. Company Phone Number: (918) 782-4000

Post Office Box 880

Chemical Emergency: (800) 822-0802

Langley, OK 74350-0880

Fax Number: (918) 782-4002

#### Section 2: Hazards Identification

#### Hazard classification:

|  |             |
|--|-------------|
| Skin corrosion/irritation                        | Category 2  |
| Serious eye damage/eye irritation                | Category 2  |
| Skin sensitizer                                  | Category 1B |
| Specific target organ toxicity - single exposure | Category 3  |

#### OSHA Specified Hazards:

Combustible dust                      May form combustible dust concentrations in air.

#### Warning label items including precautionary statement:

**Pictogram:**      Corrosive; Exclamation Mark

#### Signal words:

**WARNING**

#### Hazard statement(s):

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

May form combustible dust concentrations in air.

**Precautionary statement:**

**Prevention:**

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P243: Take precautionary measures against static discharge.  
P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P271: Use only outdoors or in a well-ventilated area.

**Response:**

P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362: Take off contaminated clothing and wash before reuse.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC):** None known.

**SECTION 3: Composition/information on ingredients**

**Substances/ Mixtures**

**General information:**

| Chemical name                      | Concentration | Additional identification | Notes |
|------------------------------------|---------------|---------------------------|-------|
| sodium salt of tall-oil            | >75%          | CAS-No.: 65997-01-5       |       |
| rosin and resin acids, sodium salt | <20%          | CAS-No.: 61790-51-0       |       |
| water                              | <5%           | CAS-No.: 7732-18-5        |       |
| additive(s)                        | <1%           | CAS-No.: proprietary      |       |

• All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.  
This substance has workplace exposure limit(s).

## SECTION 4: First aid measures

### Description of first aid measures

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.   |
| <b>Eye contact:</b>  | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.   |
| <b>Skin contact:</b> | Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation or an allergic skin reaction develops, get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes. |
| <b>Ingestion:</b>    | Seek medical advice.   |

**Most important symptoms and effects, both acute and delayed:** May irritate and cause redness and pain. Respiratory tract irritation.

### Indication of any immediate medical attention and special treatment needed

|                   |                        |
|-------------------|------------------------|
| <b>Hazards:</b>   | None known             |
| <b>Treatment:</b> | Treat symptomatically. |

## SECTION 5: Firefighting measures

|   |   |
|---|---|
| <b>General fire hazards:</b>                                  | Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. |
| <b>Extinguishing media</b>                                    |   |
| <b>Suitable extinguishing media:</b>                          | Water spray. Dry chemical. Carbon Dioxide.  |
| <b>Unsuitable extinguishing media:</b>                        | None known.   |
| <b>Special hazards arising from the substance or mixture:</b> | Powdered material may form explosive dust-air mixtures.   |
| <b>Advice for firefighters</b>                                |   |
| <b>Special fire fighting procedures:</b>                      | Minimize dust generation and accumulation.  |
| <b>Special protective equipment for fire fighters:</b>        | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |

## SECTION 6: Accidental release measures

**Personal precautions,  
protective equipment and  
emergency procedures:**

Wear appropriate personal protective equipment.

**Environmental precautions:**

Avoid release to the environment.

**Methods and material for  
containment and cleaning up:**

Sweep up and place in a clearly labeled container for chemical waste. Large spillages: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

**Notification Procedures:**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

## SECTION 7: Handling and storage

**Precautions for safe handling:**

Avoid breathing dust. Do not get in eyes, on skin, on clothing. Use only with adequate ventilation. Wash thoroughly after handling. Minimize dust generation and accumulation.

**Conditions for safe storage,  
including any  
incompatibilities:**

Keep container tightly closed and in a well-ventilated place.

**Specific end use(s):**

Emulsifier

## SECTION 8: Exposure controls/personal protection

**Control parameters**

**Occupational exposure limits**

Country specific exposure limits have not been established or are not applicable unless listed below.

**Exposure controls**

**Appropriate engineering**

Good general ventilation (typically 10 air changes per-hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**General information:**

Eye bath. Washing facilities. Safety shower.

**Eye/face protection:**

Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

**Skin protection****Hand protection:**

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Other:**

No data available.

**Respiratory Protection:**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

**Hygiene measures:**

Observe good industrial hygiene practices.

**Environmental Controls:**

No data available.

|  |
|--|
| <b>SECTION 9: Physical and chemical properties</b> |
|--|

**Information on basic physical and chemical properties****Appearance**

|   |   |
|---|---|
| <b>Physical state:</b>                          | Solid   |
| <b>Form:</b>                                    | Powder  |
| <b>Color:</b>                                   | Dark brown  |
| <b>Odor:</b>                                    | Rosin   |
| <b>Odor Threshold:</b>                          | Not determined  |
| <b>pH:</b>                                      | 9.1-9.4   |
| <b>Boiling point:</b>                           | No data available   |
| <b>Flash point:</b>                             | Not applicable, combustible solid   |
| <b>Evaporation rate:</b>                        | Not determined  |
| <b>Flammability (solid, gas):</b>               | No data available   |
| <b>Flammability Limit- Upper(%):-:</b>          | No data available   |
| <b>Flammability Limit- Lower(%):-:</b>          | No data available   |
| <b>Vapor pressure:</b>                          | Not determined  |
| <b>Vapor density (air=1):</b>                   | No data available   |
| <b>Specific gravity:</b>                        | 0.42 (25°C)   |
| <b>Solubility(ies)</b>                          |   |
| <b>Solubility in water:</b>                     | Completely soluble  |
| <b>Solubility (other):</b>                      | No data available   |
| <b>Partition coefficient (n-octanol/water):</b> | No data available   |
| <b>Auto ignition temperature:</b>               | No data available   |
| <b>Decomposition temperature:</b>               | Thermal stability not tested. Low stability hazard expected at normal operating temperatures. |
| <b>Dynamic viscosity:</b>                       | No data available   |
| <b>Kinematic viscosity:</b>                     | Not determined  |
| <b>Explosive properties:</b>                    | No data available   |
| <b>Oxidizing properties:</b>                    | No data available   |

**Other information**

|  |                       |
|--|-----------------------|
| <b>Dust explosion description number</b> |                       |
| <b>Kst:</b>                              | 124 m.b_/s            |
| <b>Dust explosion class:</b>             | St 1 - weak explosion |
| <b>Minimum ignition energy:</b>          | 100 - 300 mJ          |

**SECTION 10: Stability and reactivity**

|  |                                    |
|--|------------------------------------|
| <b>Reactivity:</b>                         | None known                         |
| <b>Chemical stability:</b>                 | Stable                             |
| <b>Possibility of hazardous reactions:</b> | None known                         |
| <b>Conditions to avoid</b>                 | Heat, sparks, flames               |
| <b>Incompatible materials:</b>             | Strong oxidizing agents            |
| <b>Hazardous decomposition products:</b>   | Carbon dioxide and carbon monoxide |

**SECTION 11: Toxicological information****Information on likely routes of exposure**

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Irritating to respiratory system                            |
| <b>Ingestion:</b>    | None known  |
| <b>Skin contact:</b> | Causes skin irritation. May cause an allergic skin reaction |
| <b>Eye contact:</b>  | Causes serious eye irritation                               |

**Information on toxicological effects****Acute toxicity**

**Oral product:** No data available

**Specified substance(s)**

|                                    |   |
|------------------------------------|---|
| sodium salt of tall-oil            | Oral LD-50: (Rat): 5,000 mg/kg Read-across from a similar material            |
| rosin and resin acids, sodium salt | Oral LD-50: (Rat, Female.): > 2,000 mg/kg Read-across from a similar material |

**Dermal product:** No data available

**Specific substance(s)**

|                         |                   |
|-------------------------|-------------------|
| sodium salt of tall-oil | No data available |
| rosin and resin acids,  |                   |

sodium salt Dermal LD-50: (Rat):> 2,000 mg/kg Read-across from a similar material

**Inhalation product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Repeated dose toxicity Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Skin corrosion/irritation:**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, (Rabbit, 4 h): none  
sodium salt

**Serious eye damage/eye irritation:**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, (Rabbit): moderate  
sodium salt

**Respiratory or skin sensitization:**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil Skin sensitization:, (Mouse) - sensitizing  
rosin and resin acids, (Mouse) - non-sensitizing  
sodium salt

**Mutagenicity:**

**In vitro** No data available

**Product:**

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**In vivo** No data available

**Product:**

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Carcinogenicity**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Reproductive toxicity**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Specific target organ toxicity - single exposure**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Specific target organ toxicity- repeated exposure**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Aspiration hazard**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Other adverse effects:** No data available

**SECTION 12: Ecological information**

**Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil LL50 (Zebra Fish, 96 h): 20 mg/l  
NOELR (Zebra Fish, 96 h): 6.25 mg/l. Read-across from a similar material  
rosin and resin acids, LC-50 (Zebra Fish, 96 h): 5.4 mg/l  
sodium salt

**Aquatic invertebrates**

**Product:** No data available

**Specific substance(s)**  
sodium salt of tall-oil EL50 (Water Flea, 48 h): < 320 mg/l Read-across from a similar material  
EL50 (Water Flea, 48 h): 560 mg/l



rosin and resin acids,  
sodium salt

EC-S0(daphnid,48 h): 75.6 mg/l Read-across from a similar material

## Chronic Toxicity

### Fish

#### Product:

No data available

#### Specific substance(s)

sodium salt of tall-oil  
rosin and resin acids,  
sodium salt

No data available

No data available

### Aquatic invertebrates

#### Product:

No data available

#### Specific substance(s)

sodium salt of tall-oil  
rosin and resin acids,  
sodium salt

NOELR (Water Flea, 21 d):  $\geq 1$  mg/l

No data available

### Toxicity to aquatic plants

#### Product:

No data available

#### Specific substance(s)

sodium salt of tall-oil  
rosin and resin acids,  
sodium salt

EL50 (Alcea (Pseudokirchneriella subcapitata), 72 h): 310 mg/l

No data available

## Persistence and degradability

### Biodegradation

#### Product:

No data available

#### Specific substance(s)

sodium salt of tall-oil  
rosin and resin acids,  
sodium salt

78% (28d) inherently biodegradable

No data available

### Biological oxygen demand

#### Product:

No data available

#### Specific substance(s)

sodium salt of tall-oil  
rosin and resin acids,  
sodium salt

No data available

No data available

### Chemical oxygen demand

#### Product:

No data available

#### Specific substance(s)

sodium salt of tall-oil  
rosin and resin acids,  
sodium salt

No data available

No data available

### BOD/COD ratio

#### Product:

No data available

#### Specific substance(s)

sodium salt of tall-oil

No data available

rosin and resin acids,  
sodium salt

No data available

### Bioaccumulative potential

**Product:** No data available

**Specific substance(s)**

sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Mobility in soil** No data available

### Known or predicted distribution to environmental compartments

sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Results of PBT and vPvB  
Assessment** No data available

sodium salt of tall-oil No data available  
rosin and resin acids, No data available  
sodium salt

**Other adverse effects** No data available

## SECTION 13: Disposal considerations

### Waste treatment methods

**General information:** No data available

**Disposal methods:** Dispose of waste and residues in accordance with local authority requirements. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied.

## SECTION 14: Transport information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

**DOT** Class not regulated

**IMDG - International Maritime Dangerous Goods Code**  
Class not regulated

**IATA** Class not regulated

**SECTION 15: Other information**

**HMIS® Hazard Ratings:** Health - 2, Flammability- 1, Chemical Reactivity- 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

**REVISION DATE: 6/1/2015**

**Prepared by GIBCO Products International, Inc.**

**Key literature references and sources for data:** No data available

**Training information:** No data available

**DISCLAIMER:**

The information and recommendations contained in this Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligation under any applicable federal or state laws. GIBCO Products International, Inc. makes no warranty expressed or implied, with respect to the completeness or accuracy of the information contained herein and disclaims all liability for reliance herein