

SAFETY DATA SHEET (SDS)



Jacquard Products
Manufactured by Rupert, Gibbon & Spider, Inc.
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Gum Arabic - Pg 1

Revision Date: 06/01/2020

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	GUM ARABIC	
Product Number/Code:	JACU648, JAC1648 & JAC2648	
Recommended Use:	Emulsifying, Gelling, Stabilizing and Thickening Agent	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	ChemTel, Inc. - Contract #MIS9128344	
	North America: 1-800-255-3924	International: 1-813-248-0585

SECTION 2 - HAZARD(S) IDENTIFICATION

This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.

Toxicological Data on Ingredients:

Hazard Classification	Combustible Dust
Physical Hazards:	Not classified
Health Hazards:	Not classified
Environmental Hazards:	Not classified

Label Elements

Pictogram:	Not applicable
Signal Words:	WARNING
Hazard Statements-EU:	May form combustible dust concentrations in air.
Precautionary Statements-EU:	
Prevention:	See section 8
Response:	See sections 4, 5 & 6
Storage:	See section 7
Disposal:	See section 13
Hazard(s) not otherwise classified:	None known

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SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity	Content in percent (%)*	CAS #
Gum Acacia	Proprietary*	9000-01-5
*The specific chemical concentration is being withheld as a trade secret.		

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
In the event of skin contact:	Rinse with plenty of water.
In the event of eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In the event of swallowing:	Rinse mouth. Do NOT induce vomiting.
In the event of exposure by inhalation:	When symptoms occur: go into open air and ventilate suspected area.
Most important symptoms and effects, acute and delayed:	Not expected to present a significant hazard under anticipated conditions of normal use. Prolonged inhalation of dust may cause respiratory irritation. Dust may cause irritation in skin folds or by contact in combination with tight clothing. Dust from this product may cause minor irritation.
Indication of any immediate medical attention and special treatment needed:	No additional information available.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media:	Suitable: Foam, Dry powder, Carbon dioxide, Water spray, Sand. Unsuitable: Do not use a heavy water stream.
Special hazards arising from the substance or mixture:	Fire hazard: Combustible Dust. Dust explosion hazard in air. Supports combustion at high temperatures. Under conditions of fire this material may produce: Carbon dioxide, Carbon monoxide. Explosion hazard: Avoid dust clouds in combination with static electricity. Dust clouds can be explosive. Reactivity: Stable at ambient temperature and under normal conditions of use.
Advice for fire fighters:	Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses. Do not enter fire area without proper protective equipment, including respiratory equipment.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	<p>General measures: Avoid generating dust. Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling and use of this material to avoid excessive dust accumulation.</p> <p>For non-emergency personnel: Use appropriate personal protection equipment (PPE). Evacuate unnecessary personnel.</p> <p>For emergency responders: Equip clean-up crew with proper protection. Ventilate area.</p>
Methods and material for containment and clean up:	Collect spillage. Avoid generation of dust during clean up of spills. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean up. Practice good housekeeping – spillage can be slippery on smooth surface (either wet or dry).
Environmental procedures:	Prevent entry to sewers and public waters.
Reference to other sections:	See section 8 for exposure controls and personal protection.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Take precautionary measures against static discharge. Handle in accordance with good industrial hygiene and safety procedures.
Conditions for safe storage including any incompatibilities:	<p>Keep only in original container in a cool, well-ventilated place away from direct sunlight and heat sources. Keep container closed when not in use. Protect from moisture.</p> <p>Incompatible products: Strong bases. Strong acids.</p>

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
Occupational exposure limits:	<p>Specific dusts not listed fall under Particulates Not Otherwise Regulated:</p> <ul style="list-style-type: none"> - OSHA PEL (Respirable Dust): 5 mg/m₃ - OSHA PEL (Total Dust): 15 mg/m₃
Appropriate engineering controls:	Provide adequate ventilation to minimize dust concentrations. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed.
Individual protection measures, such as personal protective equipment:	
Eye/face protection:	Chemical goggles or safety glasses.
Hand protection:	Wear protective gloves.
Other protective equipment:	When using, do not eat, drink or smoke.
Respiratory protection:	Use NIOSH-approved air-purifying or supplied air respirator where airborne concentrations of dust are expected to exceed exposure limits.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Appearance and physical state:	
Color:	White/Off-White
Type of Odor:	Odorless
Odor threshold:	No data available
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	No data available
Melting Point/Freezing Point:	No data available
Flammability Classification:	No data available
Flash Point:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Flammability Limits (lower/upper):	No data available
Evaporation rate:	No data available
Vapor Pressure:	No data available
Vapor Density (Air=1):	No data available
Octanol/Water Partition Coefficient (log Pow):	No data available
Specific Gravity:	No data available
Bulk Density:	No data available
Water Solubility:	Soluble in water
pH:	No data available
Viscosity:	No data available
Explosive Properties:	No data available
Oxidizing Properties:	No data available
Molecular Formula:	No data available
Molecular Weight:	No data available
Relative Density:	No data available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Stable at ambient temperature and under normal conditions of use.
Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Direct sunlight. Extremely high or low temperatures. Protect from moisture. Use good housekeeping practices during storage, transfer or handling to avoid excessive dust accumulation.
Incompatible materials:	Strong acids. Strong bases.
Hazardous decomposition products:	Under conditions of fire this material may produce: Carbon oxides (CO, CO ₂)

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SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects:	
Acute toxicity (list all possible routes of exposure)	
Acute Oral Toxicity:	LD50 Mouse: 16,001 mg/kg
Acute Dermal Toxicity:	Not classified
Acute Inhalation Toxicity:	Not classified
Skin Corrosion/Irritation:	Not classified
Serious Eye Damage / Eye Irritation:	Not classified
Respiratory or Skin Sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive Toxicity:	Not classified
Specific Target Organ Toxicity - single exposure (STOT-se):	Not classified
Specific Target Organ Toxicity - repeated exposure (STOT-re):	Not classified
Aspiration Hazard:	Not classified
Potential Health Effects:	
Skin Contact:	Dust may cause minor irritation in skin folds or by contact in combination with tight clothing.
Eye Contact:	Dust from this product may cause minor eye irritation.
Ingestion:	None under normal use.
Inhalation:	Prolonged inhalation of dust may cause minor respiratory irritation.
Aspiration hazard:	Not classified
Chronic Health Effects:	Not classified
Additional Data:	No additional information available

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	
General effect:	No additional information available.
Persistence and degradability:	Not established
Bioaccumulative potential:	Not established
Mobility in soil:	No additional information available.
Additional information:	Avoid release to the environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	Dispose of waste material in accordance with all local, regional, national and international regulations.

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SECTION 14 - TRANSPORT INFORMATION

General Information:	The product is not covered by international regulations on the transport of dangerous goods (ICAO, IATA, DOT, TDG).
UN number:	Not applicable
UN proper shipping name:	Not regulated for transport
Transport hazard class:	Not relevant
Packing group:	Not relevant
Environmental Hazards:	
Environmentally hazardous substance:	No
Special precautions for user:	Not relevant

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:	
Hazard categories	
US Federal Regulations:	Gum Acacia (9000-01-5) Listed in TSCA 8(b): Arabic Gum
International Regulations:	Gum Acacia (9000-01-5) Canada-WHMIS: Class D-2A Material Causing Other Toxic Effects (Very Toxic)

SECTION 16 - OTHER INFORMATION

HMIS Hazard ID:	
Health:	No information available
Flammability:	No information available
Reactivity:	No information available
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

Disclaimer:

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

Revision Date: 06/01/2020

National Chemical Inventories:	
All components of this product are listed on the following chemical substance inventories: TSCA (USA)	
DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)

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Abbreviations:	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System