MATERIAL SAFETY DATA SHEET

YULEX NATURAL RUBBER SOLID	
ALWAYS USE PROPER AND CORRECT PERSONAL PROTECTION EQUIPMENT (PPE)	
Section 1: IDENTIFICATION	**Document Code: MSDS-002, Rev. 1.2.3**
Product Identifier used on the label:	**Yulex® Natural Rubber Solid, Yulex Pure®, Certified with/without 100% FSC/PEFC Identification. All Forms, Brand Names of Yulex NR, Dry, Solid.**
Other means of identification:	**cis-1,4-polyisoprene, Hevea Natural Rubber, Tree Rubber, Gum Rubber, Para-Rubber.**
REACH Status:	Natural Rubber, Solid and Latex is Exempt under the European Union Directive 2019/904 Directive 1907/2006 as a "Natural Polymer Without Chemical Modification."
Prop 65:	Natural Rubber is NOT Listed in the Catalogue of Materials.
FDA/CFR Status:	Code of Federal Regulations Title 21, Is Listed for use as a food product for Chewing Gum Base.
Recommended use of the chemical and restrictions on use:	Manufactured rubber for use by third party vendors in products. No restrictions on use.
Company:	**YULEX, llc.** **10120 West Flamingo Road, Suite 4-1034** **Las Vegas, NV 89417 USA**
Phone number:	**+1-619-904-4750 (USA)**
Email:	Info@yulex.com

Section 2: HAZARD IDENTIFICATION	
Chemical classification:	None
Signal word:	None
Hazard statement:	No hazard at ambient temperature.
Symbol:	 Health: 0 Fire: 0 Reactivity: 1
Precautionary statement:	Natural rubber is not a hazardous material, with no known OSHA hazards. Handling of coagulated natural rubber is not a health hazard and does not require the presence of first aid equipment.
Statement to Physician:	When heated this product could decompose to form carbon oxides – isoprene emissions are possible. Carbon oxides reduce oxygen content in the air and could have a toxic effect on cells, causing respiratory distress. Isoprene is toxic in high concentrations and can cause irritation of the mucous membranes in low concentrations and distress to the central nervous system.
Ingredient(s) of unknown toxicity:	None

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS			
Chemical name:	cis-1,4-polyisoprene (>94% Hydrocarbon Material)		
Harmonized Code:	**400122 -** Rubber; technically specified natural rubber (TSNR), in primary forms or in plates, sheets or strip (excluding latex and smoked sheets) and/or Bales.		
Common name and synonyms:	Natural Rubber, Hevea Rubber, Tropical Rubber, Yulex, Dry, Solid, Etc.		
CAS number and other unique identifiers:	9003-31-0 (for Polymer)		
Composition of Material:	≤100% cis, 1-4, Polyisoprene, Trace amounts of other materials <0.1% Generally		
Impurities and stabilizing additives that are classified and contribute to substance classification:	NA		
Component	**CAS Number**	**Classification**	**%W/W Composition**
Antioxidant proprietary blend if used.	NA	None	NA

Section 4: FIRST-AID MEASURES	
Description of necessary measures: Eye contact: Inhalation: Ingestion: Skin contact:	 Irrigate with water. Move to fresh air at once if material is combusting. Avoid consuming food in working area. Handling of solid rubber is not a serious health hazard and does not require special first aid facilities. If in doubt, seek medical assistance. Wash with warm water and mild soap
Most important symptoms/effects, acute and delayed:	No special procedures or equipment needed. Unknown, but avoid ingestion.
Indication of immediate medical attention and special treatment needed, if necessary:	No special procedures or equipment needed.

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Section 5: FIRE-FIGHTING MEASURES	
Suitable (and unsuitable) extinguishing media:	Water, foam, carbon dioxide, all purpose (ABC) dry chemical
Specific hazards arising from the chemical:	Unprotected rubber may ignite if exposed to a strong enough heat source. Combustion by-products are oxides of carbon.
Special protective equipment and precautions for fire-fighters:	Use an approved, self contained breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES	
Personal precautions:	None
Protective equipment:	Use protective gloves, if needed to avoid contact with the skin.
Emergency procedures:	None
Methods and materials for containment and cleaning up:	No special handling requirements.

Section 7: HANDLING AND STORAGE	
Precautions for safe handling:	No special handling requirements
Conditions for safe storage, including any incompatibilities:	Optimal temperature shall be $68^f/20^c$ with a relative humidity of <20%RH.. Avoid freezing. Keep out of direct sunlight.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION		
Components:	**Polyisoprene**	**Proprietary Blend of Antioxidants**
OSHA PEL:	NA	NA
ACGIH TLV:	NA	NA
Other exposure limit:	Any area of the body which has come in contact with this product should be washed with soap and water.	
Appropriate engineering controls:	**Use recognized Good Laboratory and Manufacturing Practices.**	
Individual protection measures (e.g., PPE):	Use protective gloves, if needed to avoid contact with the skin. Use face shield, safety glasses, or goggles. If compounding with additional chemicals, use of required respirators and or dust masks maybe required. **Use recognized Good Laboratory and Manufacturing Practices.**	

Section 9: PHYSICAL AND CHEMICAL PROPERTIES	
Appearance (physical state, color, etc.):	Clear to creamy butter colored solid
Odor:	Minimal to no odor
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	NA
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure (mm Hg):	NA
Vapor density (Air=1):	NA
Relative density/Specific Gravity (H_2O=1):	No data available
Solubility(ies):	NA
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	NA

Section 10: STABILITY AND REACTIVITY	
Reactivity:	No data available
Chemical stability	Stable
Possibility of hazardous reactions:	No data available
Conditions to avoid (e.g., static discharge, shock, or vibration):	NA
Incompatible materials:	No data available
Hazardous decomposition products:	Oxides of Carbon by combustion

Section 11: TOXICOLOGICAL INFORMATION	
Information on the likely routes of exposure:	No data available for inhalation, skin, or ingestion.
Symptoms related to physical, chemical and toxicological characteristics:	No data available

Delayed and immediate effect and chronic effects from short- and long-term exposure:	Skin irritation
Numerical measures of toxicity (such as acute toxicity estimates):	No data available
Is the hazardous chemical listed in the NTP Report on Carcinogens (latest edition)?	No data available
Or, has it been found to be a potential carcinogen in the IARC Monographs (latest edition), or by OSHA?	No data available

Section 12: ECOLOGICAL INFORMATION (NON-MANDATORY)	
Ecotoxicity (aquatic and terrestrial, where applicable):	Not available
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects (such as hazardous to the ozone layer):	Not available

Section 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)	
Safe handling:	Use protective Neoprene or nitrile gloves, if needed to avoid contact with the skin.
Methods of disposal (including disposal of any contaminated packaging):	Dispose of solid material using solid waste container(s) in accordance with local regulations for disposal of non-hazardous waste.

Section 14: TRANSPORT INFORMATION (NON-MANDATORY)	
UN number:	None
UN proper shipping name:	None
Transport hazard class(es):	None
Packing group, if applicable:	None
Environmental hazards (e.g., Marine pollutant (Yes/No)):	No data available
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	NA
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises:	Not classified as dangerous for transport. Keep container(s) closed when not in use. Avoid excessive heat and cold. Avoid freezing.

Section 15: REGULATORY INFORMATION (NON-MANDATORY)	
Safety, health, and environmental regulations specific for the product:	NA

Section 16: OTHER INFORMATION (INCLUDING DATE OF PREPARATION OR LAST REVISION)	
Date of preparation or the last change to it:	Created, 9 September 2015, **Revised May 29, 2023**
Current revision number:	**1.2.3. Change to add Composition of Material, Added Common Names other than brand names, removed proprietary AO blend content.**
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