



Material Safety Data Sheet

BYTE-RYTE WAX

Section 1 – Identification

Product Name: Byte-Ryte Wax **Manufacturer:** Mizzy, Incorporated
 A Division of Keystone Industries
 52 King Street Myerstown, PA 17067

Chemical Name / Synonyms: Wax (long alkyl chains) **Information Contacts:** (856)-663-4700

Family: Organic Compound **Emergency Phone Numbers:** US & Canada (800) 535 - 5053

Product Use: Dental Wax **EU Address:** **KEYSTONE EUROPE LLC.**
 Batavenweg 7

Product #: 6160700, 6160800 **Emergency Phone Numbers:**
 5349BC OSS, Netherlands
 International: 1-352-323-3500

Section 2 – Hazards Identification

EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- Material is not considered hazardous by OSHA per 29 CFR 1910 and EU directives.
- Slight irritation of eyes and mild upper respiratory irritation if exposed to molten fumes.
- Molten material burns skin on contact.
- Thermal decomposition will generate irritant and harmful gases.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin, and ingestion.

Eye Slight irritation if exposed to molten fumes.

Skin Prolong contact is essentially non-irritating to skin. There can be mechanical injury, if impacted with skin. Under normal processing conditions, material is heated to elevated temperatures; contact with the material can cause thermal burns. No adverse effects anticipated by skin absorption.

Ingestion If un-formed material becomes lodged in subject’s mouth, do not swallow, spit it out.

Inhalation Fumes produced during thermal decomposition may, in rare cases, cause irritation.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3 – Composition/Information on Ingredients

None of the components in this product are considered hazardous by OSHA per 29 CFR 1910 and by any EU directives. Consists of a mixture of waxes, resins, and pigments.

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Non-hazardous							
N/E – None Established		N/DA – No Data Available					
N/R – Not Reviewed		N/A – Not Applicable					

See Section 16 for Hazard and Precautionary Statement Key.

Section 4 – First Aid Measures

Solid Product is neither an irritant nor gives off hazardous vapours at ambient temperatures

First Aid for Eye This material is non-irritating upon contact, except upon impact as any foreign particle in the eye. If in contact with eye, instantly wash with cold water and soap.

First Aid for Skin Not a hazard at ambient conditions. Washing hands is preferable after use. Contact with heated material may cause thermal burns. Do not attempt to remove material from skin. Cool rapidly with cold water. Obtain medical treatment. Treatment as any normal thermal burn.

First Aid for Ingestion Do not swallow. Material is not expected to cause an ingestion problem.



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First Aid for Inhalation Inhalation of vapour and gases, generated by thermal decomposition may cause irritation of respiratory system. Supply fresh air and consult doctor in case of persevering symptoms.

Section 5 – Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
428 °F / 220 °C	N/A	N/A

Method:

Extinguishing Media: Carbon dioxide, Foam and dry chemicals
 Fire Fighting: Thermal decomposition may cause generation of irritant and harmful gases, so fire-fighters should wear proper protective equipment.
 Instructions: wear proper protective equipment.
 Unusual Hazards: Use self contained breathing apparatus when fighting fires.

Section 6 – Accidental Release Measures

Spill or Release Procedures: Minor spills – Clean up immediately. Slipping hazard. In molten state, avoid contact with skin and eyes. If possible, allow material to cure, before handling.
 Major spills – Clear area of personnel. Restrict access to area. Clean up immediately. Slipping hazard. In molten state, avoid contact with skin and eyes. If possible, allow material to cure, before handling.
 See section 8 & section 12.

Section 7 – Handling and Storage

Handling: No special handling requirements when product is at room temperature. If handling in molten state, see section 8. Observe good standard hygiene measures in handling chemical substances.
 Storage: Store in a dry place, away from heat and flames
 Explosion Hazard: None.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls: No special engineering controlled required. Local ventilation is adequate.

Personal Protective Equipment

General: To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.

Eye/ Face Protection: Wear safety glasses with side shields. Wear face shield during thermal process.

Skin Protection: Thermal insulating glove when handling molten product. Protective work clothing.

Respiratory Protection: None under ordinary operating use; otherwise, NIOSH approved respirator.

Section 9 – Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Yellow sheets	Mild	N/A	(H ₂ O = 1): 1.0	N/DA	N/DA

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
Boiling Point >600 °F Freezing Point 136.4-143.6 °F	N/DA	N/DA	(mm Hg) N/DA	(Air = 1) N/DA	N/DA	N/DA	N/DA

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
428 °F / 220 °C	N/A	N/A

**Section 10 – Stability and Reactivity**

Stability: Stable solid	Incompatibility (Materials to Avoid): Strong Oxidants.
Hazardous Decomposition Products: May generate irritant and harmful gases, such as carbon oxides.	Hazardous Polymerization: Will not occur
Conditions to Avoid: Storage at temperatures exceeding 45°C.	

Section 11 – Toxicological Information

Acute Oral Toxicity N/DA	Acute Dermal Toxicity N/DA	Acute Inhalation Toxicity N/DA	Irritation – skin N/DA	Irritation – Eye N/DA
Sensitization N/DA		Mutagenicity N/DA	Sub-chronic Toxicity N/DA	

Section 12 – Ecological Information**Ecotoxicological Information**

Acute Toxicity to Fish N/DA	Acute Toxicity to Invertebrates N/DA	Acute Toxicity to Algae N/DA	Bioconcentration N/DA	Toxicity to Sewage Bacteria N/DA
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Chemical Fate Information

Biodegradability	N/A. This material is not expected to bioaccumulate.
Chemical Oxygen Demand	N/DA

Section 13 – Disposal Considerations

Dispose of in compliance with governmental regulation (state and federal).

Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

Non-regulated, non-hazardous material: DOT, IATA, IMO (IMDG).

Section 15 – Regulatory Information**US Federal Regulations**

Clean Air Act: HAP/ODS	This product contains the following HAP's or ODS: <ul style="list-style-type: none"> NONE
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: <ul style="list-style-type: none"> None
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: <ul style="list-style-type: none"> None
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.



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SARA Title III: Section 302 (TPQ)	This product does not contain chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List).
SARA Title III: Section 311-312:	This product is not considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370).
SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: <ul style="list-style-type: none"> • None
TSCA Section 8(b): Inventory:	This product complies with US TSCA requirements.
TSCA Significant New Use Rule:	None of the chemicals in this material have a SNUR under TSCA.

State Regulations

The components to this product are listed on the appropriate applicable state regulations.

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	All components are listed, where applicable.
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Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)

European Community:	Byte-Ryte Wax (finished product): <ul style="list-style-type: none"> • DANGER SYMBOLS: N/A – non hazardous • HAZARD STATEMENT: N/A • PRECAUTIONARY STATEMENT: N/A
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Section 16 – Other Information

Hazard Rating System (Pictograms)

NFPA: 	HMIS:
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Revision History:	03/2010 Initial Issue
	09/2013 Document reviewed – no changes made.
	01/08/2015 Format changed

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