

SAFETY DATA SHEETS

This SDS packet was issued with item:

075129390

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

075128905

**1. Identification of the substance / preparation and of the company / undertakings****Product Details:**

Trade Name:

Mizzv Byte-Ryte Wax

Manufacturer:

Keystone Industries
52 W King St
Myerstown, PA 17067
www.keystoneind.com

Information Contact: 856-663-4700

Emergency Phone Number: 800-535-5053

2. Composition / Information on ingredients**Chemical characterization:** Dental Wax

Hazardous components:

None

WT %

R & S Phrases

Non-hazardous components (>10%)

Petroleum Hydrocarbons & Additives

>50%

n.a.

3. Hazard Identification

Hazard Designation: Non-Hazardous at room temperature. Above its melting point, wax becomes a liquid and flows more readily as its temperature increases. If material is used as a hot liquid, it requires special handling. At temperatures significantly above its melting point, hydrocarbon vapors are given off which should be handled with adequate ventilation. Can cause eye, skin and respiratory irritation when heated significantly above its melting point.

Information pertaining to particular dangers for man and environment: None

Classification is in line with EC directive 1993/45/EC: Yes

4. First-aid measures

General information:

After inhalation:

After skin contact:

After eye contact:

After swallowing:

Not a hazardous material at room temperature. If exposed to melted wax, see below. Remove individual to a well-ventilated area for fresh air, and call a physician if symptoms persist.

Exposure to fumes vapor and smoke from thermal degradation can cause irritation. Exposure to molten material can cause burns. Run exposed area under water for 15 minutes, then contact a physician. Do not attempt to remove material bonded to skin.

Exposure to fumes vapor and smoke from thermal degradation can cause irritation. Direct contact with molten material will cause eye injury. Flush eyes with copious amounts of water for 15 minutes, administer first aid, and call a physician.

Material is not generally toxic by ingestion.

5. Fire-fighting measures

Flammability: Non-Flammable

Extinguishing media:

Unsuitable extinguishing media:

Protective Equipment:

Flash Point: n.a. LEL: n.a. UEL: n.a.

Carbon dioxide, Foam and dry chemicals

Do not use direct water stream.

n.a.

6. Accidental release measures

Personal precautions:

Environmental precautions:

Method for clean up:

No smoking.

Observe local by-laws

Handle as a thermoplastic. Allow molten material to cool and solidify before handling.

7. Handling and storage

Handling:

Storage:

Use appropriate PPE when handling molten wax.

Store in a dry place, away from heat and flames.

8. Exposure controls/ personal protection

Components with recommended limits for the work place

CAS No.

Description

WT%

Type / Value

None

General: None needed if used at room temperature. If used in a molten state, wear appropriate PPE (thermal gloves, safety glasses and an apron or appropriate splash guard). If used molten, ensure adequate ventilation.

9. Physical and chemical properties**Appearance**

Form: Sheets

Color: Yellow

Odor: Mild

Information on change in physical state:

Boiling point/boiling range (°C)

> 316

Melting point/ range (°C)

58 - 62

Flashpoint (°C)

220

PH

n.a.

Ignition temperature

n.k.

Explosion hazard

n.k.

Explosive limits (Vol%) LEL

n.k.

Other Information

Relative density

1.0 g/ml

Vapor pressure

n.k.

Viscosity

n.k.

10. Stability and reactivity

If stored and handled in accordance with manufacturers instructions for use no hazardous reactions are known. Avoid strong oxidizing agents like peroxides and chlorines. Will decompose into Carbon dioxide, monoxide, and other ketones and aldehydes when heated well above its boiling point.

11. Toxicological information

Not expected to be a health hazard

12. Ecological information

Material is not considered harmful to the environment.

13. Disposal considerations

Not a RCRA hazardous waste material. Small quantities may be disposed of in a domestic waste.

14. Transportation Information

DOT Shipping Name:

DOT Hazard Class:

UN-No.

Non-Regulated

Non-Regulated

N.A.

Sea Transport IMDG/GGV Sea

UN. No.: N.A.

EmS-No: N.A. MFSA-No: N.A.

Class: N.A.

Air Transport ICAO-Ti and IATA-DGT

UN. No.: N.A.

Class: N.A.

15. Regulatory Information

TSCA Inventory Status: This product and/or all of its components are included on the TSCA Inventory of Chemical Substances.

SARA 311/312 Hazard Categories: None

SARA 302 Extremely Hazardous Substances: None

SARA 313 Toxic Chemicals: None

Labeled in accordance with EC directives

Canadian Regulations: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Product Regulations.

16. Other Information:

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Material Safety Data Sheet

BYTE-RYTE WAX

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Section 1 – Identification

Product Name: Byte-Ryte Wax

Manufacturer: Mizzy, Incorporated
A Division of Keystone Industries
52 King Street Myerstown, PA 17067

Chemical Name / Wax (long alkyl chains)
Synonyms:

Information Contacts: (856)-663-4700

Emergency Phone Numbers: US & Canada (800) 535 - 5053

Family: Organic Compound

Product Use: Dental Wax

EU Address: KEYSTONE EUROPE LLC.
Batavenweg 7

Product #: 6160700, 6160800

5349BC OSS, Netherlands

Emergency Phone Numbers:
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 Instructions: Thermal decomposition may cause generation of irritant and harmful gases, so fire-fighters should 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

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

Section 12 – Ecological Information**Ecotoxicological Information**

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

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:

The diagram shows the NFPA hazard diamond and the HMIS hazard pictogram. The NFPA diamond has four quadrants: Health (blue, 0), Flammability (red, 0), Reactivity (yellow, 0), and a fourth quadrant (white, empty). The HMIS pictogram shows three horizontal bars: Health (blue, 0), Flammability (red, 0), and Reactivity (yellow, 0).

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

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