



MATERIAL SAFETY DATA SHEET

Date Prepared: 1/ 3/99
Revision 12/30/99

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SAW LUBE Rockler SKU: 20220

Company Identification: The Kindt-Collins Company
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Cleveland, OH 44111

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Wax mixture.

Refer to section 8 for exposure/limits/standards

This product is completely colophony free with no detectable trace elements.

3. HAZARDS IDENTIFICATION Hazard Rating: Health: 1 Fire: 1 Reactivity: 0

as defined under the U.S. OSHA Hazard Communication Standard (29 C.F.R. 1910.1200) or the Canadian Hazardous Products Act (S.C. 1987, c.30 (Part I)). Not classified under 67/548/EEC.

4. FIRST AID MEASURES

Inhalation: When fume or mist occurs, remove victim to fresh air and provide oxygen or artificial respiration. Seek medical aid.

Dermal: Ambient wax spill - wash with soap and water. For hot wax burn, cool wax immediately, but do not remove. Seek immediate medical aid.

Eyes: Ambient wax - flush wax particles with tepid water. For hot spills, seek medical aid.

Ingestion: Small quantities - permit to pass through system.

Large quantities - seek medical aid.

Notes to Physician: Ingestion of large quantities, check for possible obstruction. For inhalation of fumes or degradation products, monitor pulmonary functions.

5. FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media: Use water, fog, alcohol-type foam, dry chemical CO2. Do not use a direct stream of water.

Fire Fighting Procedures: Do not enter a confined fire space without full bunker gear, including a self-contained breathing apparatus with full facepiece operated in a pressure-demand or other positive pressure mode. Keep fire-exposed containers

Unusual Fire And Explosion Hazards: As with most solid or particulate organic materials, extremely high dust concentrations in air may result in a potential explosion hazard. Use good housekeeping to prevent significant solids accumulation.

5. SPILL AND LEAK PROCEDURES

Material is spilled or released:

Sweep up material and place in appropriate disposal container. Use appropriate personal protective equipment as necessary.

If hot liquid, attempt to confine spill and let liquid solidify. Once solid, the product may be recovered as any other solid material.

Disposal Method:

Secure container and take to an approved waste disposal site. Dispose of any residues in accordance with applicable waste management regulations.

Decontamination Procedures:

Not appropriate.

7. STORAGE AND HANDLING

Packaged material (boxes, bags) should be stored in conditions to avoid extremes of temperature. The shelf life of the product depends on the storage conditions and intended uses; properties such as melting point, viscosity, and penetration will remain stable for over one year. The color of the products, especially white waxes, may darken slightly after two or three months under certain conditions. Care must also be taken to avoid skin contact with the molten wax, which will cause thermal burns. Good hygiene practices should always be followed when handling the materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit:

The following substance(s) will be released from the molten products. Avoid overheating - 100C max

Substance	ACGIH TLV	OSHA PEL	Source/other information
Paraffin wax fumes(oes)	8 hr. TWA 2mg/m3	TWA 2mg/m3	EH40/94

Ventilation Requirements:

For fumes or mists above TLV, provide adequate ventilation.

Specific Personal Protective Equipment:

Respiratory:	Normally none required. For mists or fumes use approved organic respirator.
Eyes:	Safety glasses or splash goggles.
Dermal:	Impervious, heat protective gloves.
Other Clothing or Equipment:	Garments to protect from melted hot wax.

9. PHYSICAL DATA

SPECIFIC GRAVITY @16C:	~.945	VAPOR PRESSURE @ 20C:	Nil
MELTING POINT:	Range (C) 77-82	BOILING POINT:	N/A
AUTOFLAMMIBILITY:	Not determined		
SOLUBILITY IN WATER:	Insoluble		
VISCOSITY:	N/A		
APPEARANCE:	Waxy Solid	ODOR:	Little or none
FLASH POINT, COC, ASTM D-92:	>200C		

10. STABILITY AND REACTIVITY

Stability: Extended exposure above 80C may cause thermal degradation of the product. Do not let molten product stand unused in melt tanks and injection machines. Stir molten products at

Conditions To Avoid: Temperatures above 100C.

Materials To Avoid: Strong oxidizing agents.

11. TOXICOLOGY INFORMATION

HEALTH EFFECTS

Eyes: Fumes from molten products may cause irritation. Contact with molten product may produce severe thermal burns.

Skin: Solid material may cause skin sensitization and allergic dermatitis. Contact with molten product may produce severe thermal burns.

Inhalation: Product dust may cause respiratory tract irritation/sensitization. Molten wax may cause irritation/sensitization of the respiratory tract.

Ingestion: Low order of acute systemic toxicity.

Other: None known.

12. ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.

Mobility: Solid. Insoluble in water.

Persistence And Degradability: Not readily biodegradable.

Bioaccumulative Potential: Not determined.

Ecotoxicity: Not expected to be ecotoxic to fish/daphnia/algae.

13. DISPOSAL CONSIDERATIONS

Surplus of waste residues of this product should be placed in a suitable container and taken to an approved waste disposal site. Disposal of all surplus or waste residues in accordance with applicable waste management regulations.

14. TRANSPORT INFORMATION

This product is NOT classified as hazardous for transport.

15. REGULATORY INFORMATION

This product does not contain any chemicals listed in section 313 of the Superfund Act and Reauthorization Amendment (SARA 313) of the Clean Air Act Amendments (CAA). No ozone-depleting chemicals are contained or used in the

Not classified as hazardous for supply according to the preparation directive; 88/379/EEC.

EC Classification: Not Classified under 67/548/EEC.

Hazard Symbol: None. Risk Phase: None. Safety Phase: None.

16. OTHER INFORMATION

The information and recommendations contained hereon are believed to be accurate and reliable as of date issued. However, we do not warrant accuracy or reliability.

We only warrant to you, but to no other persons, that the product referenced herein shall conform to our quality assurance specifications for the product on the date of shipment to you. We expressly disclaim all other warranties, express or implied, including the implied warranties of merchantability and fitness for a particular purpose. Any technical advice, information, or recommendation given to you is given gratis without any warranty whatsoever as to the advice, information or recommendation. You shall assume all risks and be solely responsible for the results obtained from the storage, handling or use of the product and any information or recommendation regarding the product, whether alone or in combination with other substances.

Under no circumstances shall we be liable for any economic, consequential (including lost profits or savings) or incidental damages, even if we are informed of their possibility, exemplary or punitive damages, regardless of the form of action, whether in contract or tort, including our sole or joint negligence and strict liability.