SAFETY DATA SHEET

1. Identification

Product identifier Spindle Oil 22
Lubricant

Other means of identification
SDS number Not applicable

Recommended use A premium quality lubricant

Recommended restrictions None known

Manufacturer/Importer/ Supplier/Distributor Information

DOALL SAWING PRODUCTS
A DOALL COMPANY
1480 S. Wolf Road, Wheeling, IL 60090

Telephone (General Information) 1-800-923-6255 x65047 or Email at tbrzezinski@dgisupply.com

Emergency Telephone 1-800-424-9300 (CHEMTREC)

Emergency Telephone (Outside of USA) 1-703-527-3887 (CHEMTREC)

2. Hazards Identification

Classification Acute aquatic toxicant: Category 3. Chronic aquatic toxicant: Category 3.

Environmental Hazards: Harmful to aquatic life. Harmful to aquatic life with long lasting affects.

GHS label elements, including precautionary statements

Emergency Overview

Signal word None

Precautionary Statements

Prevention: Avoid release to the environment.
Disposal: Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

Hazard Not Otherwise Classified (HNOC) Not applicable

3. Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %
Highly refined mineral oil (C15-C50)	Mixture	70-100

4. First Aid

Description of necessary first-aid measures

Eye Contact No specific first aid measures are required. As a precaution, remove contact lenses (if worn), and flush eyes with water for 10-15 minutes.

Skin Contact No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. Thoroughly wash clothes and shoes before re-use. Wash skin with soap and water to remove product from skin. In the case of skin irritation or allergic reactions seek medical attention.

Inhalation No specific first aid measures are required. As a precaution, move to fresh air. Seek medical attention if coughing or respiratory discomfort occurs.

Ingestion No specific first air measures are required. As a precaution, seek medical attention. DO NOT INDUCE VOMITTING.

Most important symptoms/effects, acute and delayed

Most important Symptoms/effects

EYE: Not expected to cause prolonged or significant eye irritation.

SKIN: Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.

HIGH PRESSURESS EQUIPMENT INFORMATION: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first, but if left untreated may result in disfigurement or amputation of the affected part.

INGESTION: Not expected to be harmful if swallowed.

INHALATION: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

Indication of immediate medical attention and special treatment needed, if necessary

Delayed or other Symptoms and Health Affects: Not classified.

Notes to Physician In an accident involving high-pressure equipment this product may be injected under the skin. Such an accident may result in a small sometimes bloodless puncture wound. However, because of its driving force material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Unusual Fire Hazards: Leaks/ruptures in high pressure system using materials of this type can create a fire hazards when the vicinity of ignition sources (ie: open flame, pilot lights, sparks, or electric arcs).

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Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion**.**

Protective equipment and precautions for firefighters

This material will burn, although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this maetrial, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions See Section 12 for additional ecological information.

Methods and materials for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and Storage

Precautions for safe handling DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed. Keep out of the reach of children.

General Handling Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Revie all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing agitations, and vacuum truck operations) and use appropriate mitigating procedures. For more information refer to OSHA Standard 29 CFR 1910.106, “Flammable and Combustible Liquids”, National Fire Protection Association (JFPA 77, “Recommended Practice on Static Electricity”, and the American Petroleum Institute (API) Recommended Practice 2003, “Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents”.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines

Appropriate engineering controls Use in a well ventilated area.

Engineering measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection None required for consumer use. If direct contact possible: wear protective eyewear (safety glasses).

Skin and body protection None required for consumer use. If direct contact possible: wear protective gloves/clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15-C50)	ACGIH	5 mg/m3	10 mg/m3	---	---
	OSHA Z-1	5 mg/m3	---	---	---

Consult local authorities for appropriate values.

9. Physical and Chemical Properties

ATTENTION: The data below are typical values and do not constitute a specification.

Information on basic physical and chemical properties

Physical state Liquid
Appearance Brown
Odor Petroleum
Odor threshold No information available
pH Essentially neutral
Vapor Pressure No information available
Vapor Density (Air = 1) Greater than 5
Initial Boiling Point 600°F
Solubility Soluble in hydrocarbons; insoluble in water

Freezing Point	Not applicable
Density	0.86 kg/l @ 15°C (59°F) minimum
Viscosity	220 cSt @ 40°C
Decomposition temperature	No information available
Octanol/Water Partition Coefficient	No information available

Flammable Properties:
Flammability (solid, gas): No information available

Flashpoint: (Cleveland Open Cup) 240°C
Autoignition: No information available
Flammability (Explosive) Limits (% by volume in air): Lower: Not determined Upper: Not determined

10. Stability and Reactivity

Reactivity	May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition Products	None known on information supplied.

11. Toxicological Information

Information on likely routes of exposure

Product information

Inhalation	The acute inhalation toxicity hazard is based on evaluation of data for product components.
Eye Contact	The eye irritation hazard is based on evaluation of data for product components.
Skin Contact	The skin irritation hazard is based on evaluation of data for product components.
Ingestion	The acute ingestion irritation hazard is based on evaluation of data for product components.
Acute Toxicity Estimate	Not determined.
Germ Cell Mutagenicity	The hazard evaluation is based on data for components or a similar material.

Carcinogenicity The hazard evaluation is based on data for components or a similar material.

Reproductive Toxicity The hazard evaluation is based on data for components or a similar material.

Specific Target Organ Toxicity
Single Exposure The hazard evaluation is based on data for components or a similar material.

Specific Target Organ Toxicity
Repeated Exposure The hazard evaluation is based on data for components or a similar material.

Additional Toxicology Information
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) annual report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as; confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

12. Ecological Information

Ecotoxicity
This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material. The product has not been tested. The statement has been derived from the properties of the individual components.

Mobility
Not data available.

Persistence and Degradability
This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. The product has not been tested. The statement has been derived from the properties of the individual components

Bioaccumulation No information available.

Other adverse effects No information available.

13. Disposal Considerations

Waste disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

14. Transport Information

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
RID	Not regulated
ADR	Not regulated
AND	Not regulated

15. Regulatory Information

International inventories

Legend TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65 This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Petroleum distillates, hydrotreated heavy naphthenic				X	
Tallow oil			X		X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable.

16. Other Information

NPRA RATING:	Health Hazard: 1	Flammability: 0	Instability: 0	Physical and Chemical Hazards -
HMIS RATING:	Health Hazard: 1	Flammability: 0	Physical Hazard: 0	Personal Protection: X

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Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designate and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Revision information	Product and Company Identification: Alternate Trade Names