

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name: Deolube 32-S, 46-S, 68-S, 100-S, 120-S, 150-S, 220-S, 320-S
1220-8, 1220-1 Air Tool Oil

Other means of identification

Product code: GHSRDO0015X
Synonyms: Not applicable

Recommended use of the chemical and restrictions on use

Recommended Use Industrial lubricant.
Uses advised against No other uses are recommended

Details of the supplier of the safety data sheet

Supplier Address : C.R. Laurence Co., Inc.
2503 E. Vernon Avenue
Los Angeles, CA 90058-1897
(800) 421-6144

CRL Cat. No.: **AK01L**

Emergency telephone number CHEMTREC: 1-800-424-9300 (24/7)

Issue Date: 05-OCT-2015

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Version: 1

2. HAZARDS IDENTIFICATION

Classification

Petroleum based fluid of generally low toxicity. This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Appearance : Light brown
Physical State: Liquid
Odor: Mild, bland hydrocarbon odor.
Hazards not otherwise classified : None
Other Hazards : None
Unknown acute toxicity : Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Proprietary additives	Proprietary	0-1
Highly refined mineral oil	64742-56-9	0-10
Highly refined mineral oil	64742-65-0	90-100

* The identity and exact percentage (concentration) of the components of this product been withheld as a trade secret.

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin contact	Wash with soap and plenty of water.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
Ingestion	Rinse mouth. Not an expected route of exposure.

Most important symptoms and effects, both acute and delayed

Symptoms Not applicable.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical, CO2 or water spray.

Unsuitable extinguishing media No information available.

Special hazard arising from the Chemical Not applicable.

Hazardous combustion products Oxides of nitrogen and carbon.

Explosion data

Sensitivity to Mechanical Impact Not applicable.

Sensitivity to Static Discharge Not applicable.

Special Protective Actions for Fire-Fighters

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 Use appropriate safety equipment. Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Method for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local /national regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

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

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines Exposure limits for purified mineral oil as mist: US-ACGIH reports: TWA-5 mg/m³ and STEL-10 mg/m³; US-OSHA PEL 5 mg/m³.

Appropriate engineering controls

Engineering controls As with all industrial products, use of good industrial hygiene practices is recommended.

Individual protection measures, such as personal protective equipment

Eye/face Protection No special technical protective measures are necessary.

Skin and Body Protection No special technical protective measures are necessary.

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.

General hygiene considerations Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Light brown
Color	No data available
Odor	Mild, bland hydrocarbon odor.
Odor threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point/freezing point	No data available	
Boiling point / boiling range	No data available	
Flash Point	210 °C/410 °F	
Evaporation Rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	
Vapor Density	No data available	
Specific gravity	0.84 - 0.86	
Water solubility	Negligible	
Solubility in other solvents	No data available	
Partition coefficient	No data available	
Autoignition Temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	32 - 320 centistokes@ 40 degrees C	
Dynamic viscosity	No data available	

Other Information

Density	No data available
VOC content (%)	3 g/l per ASTM SCAQMD Rule 1144 Super Compliant

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Not applicable
<u>Chemical stability</u>	Stable under recommended storage conditions.
<u>Possibility of Hazardous Reactions</u>	None under normal processing.
<u>Conditions to avoid</u>	Extremes of temperature and direct sunlight.
<u>Incompatible materials</u>	None known based on information supplied.
<u>Hazardous Decomposition Products</u>	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Not applicable
Inhalation	This product is not classified as acutely toxic by inhalation.
Eye Contact	This product is not classified as an eye irritant.
Skin contact	This product is not classified as acutely toxic by the dermal route.
Ingestion	This product is not classified as acutely toxic by the oral route.

Information on toxicological effects

Symptoms	No information available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	This product is not classified as a skin sensitizer.
Germ cell mutagenicity	None of the components are currently classified as mutagenic.
Carcinogenicity	None of the components of this product are classified as a carcinogenic.
Reproductive toxicity	Not classified; based on data on components.
STOT - single exposure	Not classified; based on data on components.
STOT - repeated exposure	Not classified; based on data on components.
Aspiration hazard	Not classified; based on data on components.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

<u>Ecotoxicity</u>	May cause adverse effects when spilled in waterways. Based on data on components.
<u>Persistence and degradability</u>	Some components of this product are not readily biodegradable.
<u>Bioaccumulation</u>	A minor component of this product may bioconcentrate in aquatic organisms.
<u>Other adverse effects</u>	Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not Determined
<u>MEX</u>	Not Determined
<u>ICAO (air)</u>	Not Determined
<u>IATA</u>	Not Determined
<u>IMDG</u>	Not Determined
<u>RID</u>	Not Determined
<u>ADR</u>	Not Determined
<u>ADN</u>	Not Determined

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Not determined
ENCS	Not determined
IECSC	Not determined
KECL	Not determined
PICCS	Not determined
AICS	Not determined

Legend

TSCA -	United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL -	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS -	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS -	Japan Existing and New Chemical
IECSC-	China Inventory of Existing Chemical Substances
KECL -	Korean Existing and Evaluated Chemical Substances
PICCS -	Philippines Inventory of Chemicals and Chemical Substances
AICS -	Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

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

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the CleanWater 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) (4

15. REGULATORY INFORMATION (CONT.)

US State Regulations

California Proposition 65 This product is not known to contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary additives PROPRIETARY	X	X	X

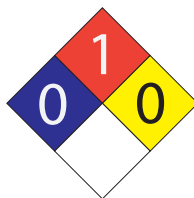
U.S. EPA Label Information

EPA Pesticide registration number Not applicable

16. OTHER INFORMATION

NFPA

Health hazards 0
 Flammability 1
 Instability 0
 Physical and chemical properties -



HMIS

Health hazards 0
 Flammability 1
 Physical hazards 0
 Personal Protection H - X

Disclaimer

The information provided in this Material 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 designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.