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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 **Revision Date:** 05-OCT-2015

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 :NoneOther Hazards :None

Unknown acute toxicity: Not applicable

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Proprietary additives	Proprietary	O-1
Highly refined mineral oil	64742-56-9	O-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 com

fortable 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 mediaNo 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.

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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 precautionsDo 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 materialsNone 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 r

ecommended.

Individual protection measures, such as personal protective equipment

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

Skin and Body ProtectionNo 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical StateLiquidAppearanceLight brownColorNo data available

Odor Mild, bland hydrocarbon odor.

Odor thresholdNo 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 availableLower flammability limit:No data availableVapor pressureNo data availableVapor DensityNo data availableSpecific gravity0.84 - 0.86Water solubilityNegligible

Solubility in other solventsNo data availablePartition coefficientNo data availableAutoignition TemperatureNo data availableDecomposition temperatureNo 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 Complient

10. STABILITY AND REACTIVITY

Reactivity Not applicable

<u>Chemical stability</u> Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Conditions to avoidExtremes of temperature and direct sunlight.Incompatible materialsNone known based on information supplied.Hazardous Decomposition ProductsNone known based on information supplied.

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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 contactThis 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.

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 mutagenicityNone of the components are currently classified as mutagenic.

Carcinogenicity None of the components of this product are classified as a carcinogenic.

Reproductive toxicity

STOT - single exposure

Not classified; based on data on components.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity 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.

Bioaccumulation A minor component of this product may bioconcentrate in aquatic organisms.

Other adverse effects Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastesDisposal should be in accordance with applicable regional, national and local

laws and regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT Not regulated **TDG** Not Determined Not Determined **MEX** Not Determined ICAO (air) **IATA** Not Determined **IMDG** Not Determined Not Determined **RID** Not Determined **ADR ADN** Not Determined

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15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL/NDSL Not determined

ENCS Not determined

IECSC Not determined

KECL Not determined

PICCS Not determined

Not determined

Not determined

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 HazardNoChronic Health HazardNoFire HazardNoSudden release of pressure hazardNoReactive HazardNo

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

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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	×	×	×

U.S. EPA Label Information

EPA Pesticide registration number Not applicable

16. OTHER INFORMATION

NFPA

Health hazards O
Flammability 1
Instability O

010

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.