Item No:	
Item Desc:	
Note: This	SDS cover page should accompany all printed copies of actual

Note: This SDS cover page should accompany all printed copies of actual Safety Data Sheets



Shared SDS's (Item No):			
	_		

SDS Origin

Manufacturer:

Mfg. Code No:

SDS No:

Phone:

Print Date:

Revised Date:

Note: If all Shared SDS boxes above are filled then all shared part numbers may not be represented.

Those potentially not shown above are however, available individually from this website.

Hazardous Ingredients		Proposition 65 Items			
Ingredient	CAS No	<u>Carcinogen</u>	Male Toxin	<u>Female</u> <u>Toxin</u>	<u>Repro</u> <u>Toxin</u>
				TOXIII	TOXIII

SAFETY DATA SHEET

SECTION 1: Identification

Product identifier: R&O Turbine ISO 32,46,100,150,220,320,460 (compressor)

Other means of identification: BO2015, BO1012, BO1088, BO1019, BO2153, BO2242,

BO3057

Recommended use: General lubricant **Recommended restrictions:** None known

Manufacturer/Importer/Supplier/Distributor information

Company name: ZIEN Inc.

Address: 1212 W. 2nd Street,

Oconomowoc, WI 53066

Telephone: Office hour (Mon – Fri)

7:30 – 4:00pm (Central time)

(262) 567-7523

Contact Person: Steven Zimmerman E-mail: steve@zieninc.com

Emergency phone number: (262) 560-7400 (24 hours)

SECTION 2: Hazard(s) identification

Physical hazards

Not classified as a physical hazard

Health hazards

Aspiration Hazard Category 1 H304: May be fatal if swallowed or

enters airways

Environmental hazards

Not Classified

OSHA hazard(s) Label elements



Hazard symbol:

Signal word: DANGER!

Hazard statement(s): H304: May be fatal if swallowed or enters airways

Precautionary statement

Prevention:

No precautionary phrases.

Response:

P301 +P310: IF SWALLOWED: Immediately call a

POISON CENTER or doctor/physician. P331: Do NOT

induce vomiting.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container to an appropriate

treatment and disposal facility in accordance with

applicable laws and regulations.

Hazard(s) not otherwise

Classified (HNOC)

None Known

SECTION 3: Composition/information on ingredients

Substance/Mixtures

Chemical name	Concentration	Additional Information
Distillates (petroleum), solvent-	0-83 %	CAS-No: 64742-65-0
dewaxed heavy paraffinic		Aspiration Hazard, Cat. 1
Distillates (petroleum), hydrotreated	0-45 %	CAS-No: 64742-54-7
heavy paraffinic		
Paraffin oils (petroleum), catalytic	0-45 %	CAS-No: 64742-71-8
dewaxed light		
Additive	<2 %	CAS-No: Proprietary

SECTION 4: First-aid Measures

Inhalation:

Move to fresh air. Treat symptomatically. Get medical attention if symptoms

persist.

Skin contact:

Wash with soap and water. Get medical attention if symptoms occur.

Eye contact:

Immediately flush with plenty of water for at least 15 minutes. If easy to do,

remove contact lenses. Get medical attention.

Ingestion:

Do not induce vomiting. Seek medical advice immediately.

Most important symptoms/effects, acute and delayed: If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Ingestion may result in nausea, vomiting and/or diarrhea.

Indication of immediate medical attention and special treatment needed: None known

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Water spray, Carbon dioxide, Dry chemical, Alcohol foam Unsuitable extinguishing media: Do not use water jet.

Specific hazards arising from the chemical: Hazardous combustion products may include carbon monoxide and other toxic gases/vapors.

Special protective equipment and precautions for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Fight fire from a protected location. Water may be ineffective in fighting the fire. Use water spray to keep fire-exposed container cool.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment (see Section 8). Do not breathe fumes or vapor.

Methods and materials for containment and cleaning up: Eliminate sources of ignition. Stop source of leak if safe. Prevent entry into waterways and sewer systems. Absorb in vermiculite, dry sand or earth. Sweep up and place in a clearly labeled container for chemical waste.

SECTION 7: Handling and Storage

Precautions for safe handling: Avoid breathing mist or vapors. Avoid contact with eyes. Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibles: Keep container tightly closed and in a well-ventilated place. Store away from heat and light.

SECTION 8: Exposure controls/personal protection

Control Parameters

Occupational exposure limits

US.OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Material	Туре	Value	Notation
Oil mist, mineral	PEL	5 mg/m ³	

U.S. ACGIH Threshold Limit Values

CISTILO GILL THE CONTOLL MARKET VER	Old Additive T dideb			
Material	Type	Value	Notation	
Oil mist, mineral	TWA	5 mg/m^3	(inhalable fraction)	

NIOSH Guidelines

Material	Type	Value	Notation
Oil mist, mineral	REL	5 mg/m ³	
	(10 hr)		
Oil mist, mineral	STEL	10 mg/ m^3	

Appropriate engineering

Controls:

Maintain air concentrations below occupational exposure standards using engineering controls if

necessary. Local exhaust ventilation is

recommended. Eye wash station and showers for

emergency use.

Individual protection measures, such as personal protective equipment

Eye/face protection: Do not get material in eyes. Wear protective eye

goggles

Skin protection Hand protection:Avoid skin contact. Wear protective clothing.
Avoid contact. Wear suitable protective gloves.

Other: No data available

Respiratory protection: Select suitable respiratory protection equipment for

the specific conditions of use. Maintain airborne concentrations below occupational exposure

standards

Thermal hazards: No data available

General hygiene considerations:

Observe good industrial hygiene practices.

SECTION 9: Physical and chemical properties

Appearance

Physical state: Liquid
Form: Liquid
Color: Amber

Odor: Mild petroleum
Odor threshold: Not available
pH: Not available
Melting point/freezing point: Not available
Boiling point: Not available

Flash point: >380 °F (Clevland Open Cup)

Evaporation rate: Not available **Flammability (solid, gas):** Not available

Upper/lower flammability or explosive limits

Flammability limit – lower %): Not available Flammability limit – upper(%): Not available Explosive limit – lower (%): Not available Explosive limit – upper (%): Not available Vapor pressure: Not available Vapor density: Not available **Specific gravity:** 0.87 - 0.89Relative density temperature: Not available **Solubility in water:** Insoluble

Partial coefficient

(n-octanol/water):Not availableAuto-ignition temperature:Not availableDecomposition temperature:Not availableViscosity:Not availableViscosity temperature:Not available

Other information

Bulk density:Not availableFlash point class:Not availableVOC (Weight %):Not available

SECTION 10: Stability and Reactivity

Reactivity:None known
Chemical stability:
Stable

Possibility of hazardous reactions: None known

Conditions to avoid: Heat, sparks, flames.
Incompatible materials: Strong oxidizing agents.

Hazardous decomposition Products: Carbon monoxide, Carbon dioxide

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:None knownIngestion:None knownSkin:None knownEye:None known

Symptoms related to the physical, chemical, and toxicological

characteristics: None known

Information on toxicological effects

Acute Oral Toxicity (rat)

Product: >5000 mg/kg (estimate based on components)

Acute Dermal Toxicity (rabbit)

Product: No data available

Acute Inhalation Toxicity

Product: No data available

Skin corrosion/irritationNot expected to cause irritation **Serious eye damage/eye irritation**Not expected to cause irritation

Respiratory sensitizationNo data availableSkin sensitizationNo data availableGerm cell mutagenicityNo data availableCarcinogenicityNo data available

Reproductive toxicity

Specific target organ toxicity-

Single exposure

Specific target organ toxicity-

Repeated exposure **Aspiration hazard**

Distillates (petroleum), solvent-dewaxed heavy paraffinic

may cause pneumonitis which can be fatal **Further information** No data available

SECTION 12: Ecological information

Ecotoxicity

Product **Species** Test Results

Persistence and degradability **Bioaccumulative potential**

Mobility in soil Mobility in general Other adverse effects

No data available No data available No data available

No data available

No data available

No data available

No data available

An environmental hazard cannot be excluded in the event

Aspiration into the lungs when swallowed or vomited

of unprofessional handling or disposal.

SECTION 13: Disposal considerations

Disposal instructions Dispose in accordance with all applicable Federal, State

and local regulations.

SECTION 14: Transport Information

DOT: Not regulated IATA: Not regulated **IMDG:** Not regulated

SECTION 15: Regulatory Information

Inventory Status

This material is listed on the following inventories: TSCA

US Regulations

CERCLA Hazardous Substance List (40 CFR 302.4):

None

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None

SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None

Section 311/312 (40 CFR 370):

Immediate Hazard: Yes Delayed Hazard: No Fire Hazard: No Pressure Hazard: No Reactivity Hazard: No

Section 313 Toxic Release Inventory (40 CFR 372):

None

State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

Trace Impurities: <1 ppm cadmium, <1 ppm arsenic; <1 ppm Ethyl Acrylate (140-88-5)

Massachusetts Right-To-Know List:

Oil Mist, mineral; Petroleum paraffin oils, catalytic dewaxed light

SECTION 16: Other Information

Revision Date: February 28, 2014

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