

**UNITED PROCESS CONTROLS INC.  
MATERIAL SAFETY DATA BULLETIN**

**I. PRODUCT IDENTIFICATION - WAUKEE COMPRESSOR OIL**

SUPPLIER: UNITED PROCESS CONTROLS INC.

CHEMICAL NAMES AND SYNONYMS: Pet. Hydrocarbons and Additives

USE OR DESCRIPTION: Lubricant

HEALTH EMERGENCY TELEPHONE: (414) 462-8200

PRODUCT TECHNICAL INFORMATION: (414) 462-8200

**II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES**

APPEARANCE: Lt. Amber Liquid

ODOR: Mild

PH: NA

VISCOSITY AT 100° F, SUS: 155.00

AT 40° C, CS: 30.0

VISCOSITY AT 210° F, SUS: 43.0

AT 100° C, CS 5.0

FLASH POINT F (C): >405 (207)

(ASTM D-92)

MELTING POINT F (C): NA

POUR POINT F (C): 20 (-7)

BOILING POINT F (C): >600 (316)

RELATIVE DENSITY: 15/4 C: 0.87

SOLUBILITY IN WATER: Negligible

VAPOR PRESSURE: mm Hg 20C: < 0.1

NA=Not Applicable, NE=Not Established, D=Decomposes

For further information, contact United Process Controls Inc.

**III. HEALTH HAZARD DATA - (Includes aggravated medical conditions, if established.)**

THRESHOLD LIMIT VALUE: 5.00 mg/m<sup>3</sup> Suggested for Oil Mist

EFFECTS OF OVEREXPOSURE: Slight skin irritation.

**IV. EMERGENCY AND FIRST AID PROCEDURES - (For primary routes of entry.)**

EYE CONTACT: Flush thoroughly with water. If irritation persists, call a physician.

SKIN CONTACT: Wash contact areas with soap and water.

INHALATION: Not expected to be a problem.

INGESTION: Not expected to be a problem when ingested. If uncomfortable seek medical assistance.

**V. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT F (C): >405 (207)

(ASTM D-92)

FLAMMABLE LIMITS: LEL: 0.6%

UEL: 7.0%

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. For fires in enclosed areas, firefighters must use self-contained breathing apparatus. Prevent runoff from fire control or dilution from entering streams,

sewers, or drinking water supply.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

## **VI. REACTIVITY DATA**

STABILITY (Thermal, Light, etc.): Stable

CONDITIONS TO AVOID: Extreme heat

INCOMPATIBILITY (Materials to avoid): Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide

HAZARDOUS POLYMERIZATION: Will not occur

## **VII. SPILL OR LEAK PROCEDURE**

ENVIRONMENTAL IMPACT: Report spills as required to appropriate authorities. U.S. Coast Guard Regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

WASTE MANAGEMENT: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

## **VIII. SPECIAL PROTECTION INFORMATION**

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should be followed.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

## **IX. SPECIAL PRECAUTIONS**

NO SPECIAL PRECAUTIONS REQUIRED.

## **X. TOXICOLOGICAL DATA**

### **ACUTE TOXICOLOGY**

ORAL TOXICITY (RATS): Nontoxic --Based on testing of similar products and/or the components.  
DERMAL TOXICITY (RABBITS): Nontoxic --Based on testing of similar products and/or the components.  
INHALATION TOXICITY (RATS): Not applicable --Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use or misuse of this product.  
EYE IRRITATION (RABBITS): Expected to be non-irritating. --Based on testing of similar products and/or the components.  
SKIN IRRITATION (RABBITS): May cause slight irritation on prolonged or repeated contact. --Based on testing of similar products and/or the components.

### **SUBCHRONIC TOXICOLOGY (SUMMARY)**

Severely solvent refined and severely hydrotreated mineral base oils have been tested by dermal application to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids showed no adverse effects.

### **CHRONIC TOXICOLOGY (SUMMARY)**

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of similar oils showed no evidence of carcinogenic effects.

## **XI. REGULATORY INFORMATION**

GOVERNMENTAL INVENTORY STATUS: All components registered in accordance with TSCA.

DOT: Shipping Name: Not Applicable.  
Hazard Class: Not Applicable.

US OSHA HAZARD COMMUNICATION STANDARD: Products assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D); does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with the contaminants listed in the Toxicity Characteristic (TC) Rule as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312- FORMERLY 302) REPORTABLE HAZARD CATAGORIES: NONE

This product contains no chemicals reportable under SARA (313) toxic release program.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	LISTS CITATIONS
PHOSPHORODITHOIC ACID, O,O-DI C1- 14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP) (.06%)	15

-----KEY TO LIST CITATIONS-----

1 =OSHAZ	2=ACGIH	3 =IARC	4=NTP
5 = NCI	6 = EPA CARC	7 = NFPA 49	8 = NFPA 325M
9 =DOT HMT	10 =CARTK	11 =ILRTK	12 =MARTK
13=MNRTK	14=NJRTK	15=MI293	16=FLRTK
17 = PA RTK	18 = CA P65.		

---NTP, IARC AND OSHA INCLUDE CARCINOGENIC LISTINGS

**\*\*\*NOTE: WAUKEE PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.**

## XII. INGREDIENTS

INGREDIENT DESCRIPTION	PERCENT
CONTAINS ONE OR MORE OF THE FOLLOWING	95.00
BASE OILS:	
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	
DISTILLATES (PETROLEUM), SOLVENT - REFINED HEAVY PARAFFINIC	
PHOSPHORIC ACID, TRIS (METHYLPHENYL) ESTER	0.05

APPENDIX

REVISED March 2, 2012

**INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.**

Signature:

*Karl Henke*

Karl Henke  
Project Engineer

**PREPARED BY: UNITED PROCESS CONTROLS INC.  
WAUKEE PRODUCTS PLANT**

**FOR FURTHER  
INFORMATION  
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