

SAFETY DATA SHEET

Date: 06/01/15



SECTION 1 - IDENTIFICATION

GHS Product Identifier: DIRECTORR Premium Vacuum Pump Oil

Synonyms: Welch 8995P Premium Vacuum Pump Oil
Severely Hydrotreated Paraffinic Oil

Supplier's Details: Welch Vacuum, Gardner Denver Thomas, Inc.
5621 West Howard Street
Niles, IL 60714
Phone: (847) 676-8800
gdwelchvacuum@gardnerdenver.com

Telephone Number: Technical Contact: (847) 676-8800

SECTION 2 – HAZARDS IDENTIFICATION

PHYSICAL STATE: LIQUID

COLOR: LIGHT YELLOW

ODOR: MILD

OSHA HAZARDS: NO OSHA HAZARDS

GHS CLASSIFICATION: NOT A DANGEROUS SUBSTANCE ACCORDING TO GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS (GHS).

GHS-LABELING: NOT A DANGEROUS SUBSTANCE ACCORDING TO GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS (GHS).

CARCINOGENICITY:

IARC: NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.

NTP: NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.

ACGIH: NO INGREDIENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

Revision Date: 05/11/15	Rev. B	P/N: 67-0278A 1 of 9
--------------------------------	---------------	-----------------------------

SAFETY DATA SHEET

Date: 06/01/15

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	EU NUMBER	%	EXPOSURE LIMIT
SEVERELY HYDROTREATED PARAFFINIC OIL	PROPRIETARY		100	5mg/m3 oil mist

CONTAINS NO HAZARDOUS INGREDIENTS ACCORDING TO GHS.

SECTION 4 - FIRST AID MEASURES

INHALATION: MOVE TO FRESH AIR. OXYGEN OR ARTIFICIAL RESPIRATION NIF NEEDED. IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.

SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHIBNG. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. IF SKIN IRRITATION OR AN ALLERGIC SKIN REACTION DEVELOPS, GET MEDICAL ATTENTION.

EYE CONTACT: FLUSH THOROUGHLY WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS NSATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION. CALL A POISON CONTROL CENTER IMMEDIATELY.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: HALON, DRY CHEMICALS. FOAM. CARBON DIOXIDE (CO2).

WATER SPRAY OR FOG. DO NOT USE WATER JET OR SOLID WATER STREAM AS EXTINGUISHER AS THIS MAY SCATTER OR SPREAD FIRE.

SPECIAL PROTECTIVE EQUIPMENT: WEAR SPECIAL CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE

GENERAL FIRE HAZARDS: NO UNUSUAL FIRE OR EXPLOSION HAZARDS NOTED.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP: WIPE UP WITH ABSORBANT MATERIAL (E.G. CLOTH, FLEECE). CLEAN SURFACE THOUROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

Revision Date: 05/11/15

Rev. B

P/N: 67-0278A 2 of 9

SAFETY DATA SHEET

Date: 06/01/15

SECTION 7 - HANDLING AND STORAGE

HANDLING

ADVICE ON SAFE HANDLING: FOR PERSONAL PROTECTION SEE SECTION 8. SMOKING, DRINKING AND EATING SHOULD BE PROHIBITED IN THE APPLICATION AREA.

STORAGE

REQUIREMENTS FOR STORAGE AREA: ELECTRICAL INSTALLATIONS/WORKING MATERIALS MUST COMPLY WITH THE TECHNOLOGY SAFETY STANDARDS.

CONDITIONS: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. STORE IN A WELL-VENTILATED DRY PLACE.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

BIOLOGICAL LIMIT VALUES: NO BIOLOGICAL LIMITS NOTED FOR THE INGREDIENT(S).

APPROPRIATE ENGINEERING CONTROLS: PROVIDE ADEQUATE VENTILATION, INCLUDING APPROPRIATE LOCAL EXTRACTION, TO ENSURE THAT THE DEFINED OCCUPATIONAL EXPOSURE LIMIT IS NOT EXCEEDED.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: UNDER NORMAL CONDITIONS, RESPIRATOR IS NOT NORMALLY REQUIRED. WHEN WORKERS ARE FACING CONCENTRATIONS ABOVE THE EXPOSURE LIMIT THEY MUST USE APPROPRIATE CERTIFIED RESPIRATORS.

HAND PROTECTION: CHEMICAL RESISTANT GLOVES ARE RECOMMENDED. IF CONTACT WITH FOREARMS IS LIKELY WEAR GAUNTLET STYLE GLOVES.

EYE/FACE PROTECTION: GOGGLES/FACE SHIELD ARE RECOMMENDED.

GENERAL HYGIENE: ALWAYS WASH HANDS AFTER HANDLING THE MATERIAL BEFORE EATING, DRINKING, AND OR SMOKING.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

Revision Date: 05/11/15	Rev. B	P/N: 67-0278A 3 of 9
--------------------------------	---------------	-----------------------------

SAFETY DATA SHEET

Date: 06/01/15



WELCH

by Gardner Denver

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

PHYSICAL STATE	LIQUID
ODOR	MILD HYDROCARBON-LIKE
ODOR THRESHOLD	NOT AVAILABLE
COLOR	LIGHT YELLOW
PH	NOT AVAILABLE
MELTING POINT	< 10 F ASTM D 5949/ISO 3016
SPECIFIC GRAVITY @ 22 C	.87
MOLECULAR WEIGHT	511
AUTO-IGNITION TEMPERATURE	> 600 F ASTM E659
BOILING POINT/BOILING POINT RANGE	> 740 F ASTM D 2887
FLASH POINT	475 F (245 C) C.O.C.
EVAPORATION RATE	NOT AVAILABLE
VAPOR PRESSURE @ 25 (C)	1X10-6 TORR
VISCOSITY, KINEMATIC @ 40 (C)	60 cst. ASTM D 445
UPPER/LOWER FLAMMABILITY LIMITS	NOT AVAILABLE
SOLUBILITY IN WATER	NOT AVAILABLE
OCTANOL/H2O COEFF.	NOT ESTABLISHED

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

Revision Date: 05/11/15	Rev. B	P/N: 67-0278A 4 of 9
-------------------------	--------	----------------------

SAFETY DATA SHEET

Date: 06/01/15

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: THE MATERIAL IS STABLE AND NON-REACTIVE UNDER

NORMAL CONDITIONS OF USE, STORAGE AND TRANSPORTATION.

CHEMICAL STABILITY: STABLE

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS

POSSIBILITY OF HAZARDOUS REACTIONS: HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

CONDITIONS TO AVOID: HEAT, FLAMES AND SPARKS. AVOID TEMPERATURES EXCEEDING THE FLASH POINT.

HAZARDOUS DECOMPOSITION PRODUCTS: UPON DECOMPOSITION, THIS MATERIAL EMITS CARBON MONOXIDE, CARBON DIOXIDE AND/OR LOW MOLECULAR WEIGHT HYDROCARBONS.

SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

INGESTION: MAY CAUSE GASTROINTESTINAL DISCOMFORT IF SWALLOWED. DO NOT INDUCE VOMITING. VOMITING MAY INCREASE RISK OF MATERIAL ASPIRATION.

INHALATION: MAY BE HARMFUL IF INHALED. HOWEVER, THIS MATERIAL DOES NOT CURRENTLY MEET THE CRITERIA FOR CLASSIFICATION.

SKIN CONTACT: FREQUENT OR PROLONGED CONTACT MAY DEFAT AND DRY THE SKIN, LEADING TO DISCOMFORT AND DERMATITIS.

EYE CONTACT: MAY BE IRRITATING TO EYES.

GERM CELL MUTAGENICITY: NON-MUTAGENIC BASED ON MODIFIED AMES ASSAY.

CARCINOGENICITY: THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA. MEETS EU REQUIREMENT OF LESS THAN 3% (w/w) DMSO EXTRACT FOR TOTAL POLYCYCLIC AROMATIC COMPOUND (PAC) USING IP 346.

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29CFR1910.1001-1050)

REPRODUCTIVE TOXICITY: CONTAINS NO INGREDIENT LISTED AS TOXIC TO REPRODUCTION.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

Revision Date: 05/11/15	Rev. B	P/N: 67-0278A 5 of 9
--------------------------------	---------------	-----------------------------

SAFETY DATA SHEET

Date: 06/01/15

SPECIFIC TARGET ORGAN TOXICITY: (SINGLE EXPOSURE) NOT CLASSIFIED
(REPEATED EXPOSURE) NOT CLASSIFIED

ASPIRATION HAZARD: NOT CLASSIFIED

CHRONIC EFFECTS: PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING,
CRACKING, OR IRRITATION OF THE SKIN.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: NOT EXPECTED TO BE HARMFUL TO AQUATIC ORGANISMS.

PERSISTENCE AND DEGRADABILITY: NOT INHERITANTLY BIODEGRADABLE

BIOACCUMULATIVE POTENTIAL: BIOACCUMULATION IS UNLIKELY TO BE SIGNIFICANT
BECAUSE OF THE LOW WATER SOLUBILITY OF THIS MATERIAL.

MOBILITY IN SOIL: NOT AVAILABLE

OTHER ADVERSE EFFECTS: NO OTHER ADVERSE ENVIROMENTAL EFFECTS(e.g. OZONE
DEPLETION, PHOTOCHEMICAL OZONE CREATION POTENTIAL, ENDOCRINE DISRUPTION, GLOBAL
WARMING POTENTIAL) ARE EXPECTED FROM THIS MATERIAL.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: WHEN THIS MATERIAL AS SUPPLIED IS TO BE DISCRDED AS
WASTE, IT DOES NOT MEET THE DEFINITION OF A RCRA WASTE UNDER 40 CFR 261. DISPOSAL
RECOMMENDATIONS ARE BASED ON MATERIAL AS SUPPLIED. DISPOSAL MUST BE IN
ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND MATERIAL
CHARACTERISTICS AT THE TIME OF DISPOSAL.

HAZARDOUS WASTE CODE: NOT APPLICABLE

WASTE FROM RESIDUES/UNUSED PRODUCT: DISPOSE OF IN ACCORDANCE WITH LOCAL
REGULATIONS. AVOID DISCHARGE INTO WATER COURSES OR ONTO THE GROUND.

CONTAMINATED PACKAGING: EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED
WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL. SINCE EMPTIED CONTAINERS MAY RETAIN
PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. OFFER
RINSED PACKAGING MATERIAL TO LOCAL RECYCLING FACILITIES.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

Revision Date: 05/11/15	Rev. B	P/N: 67-0278A 6 of 9
-------------------------	--------	----------------------

SAFETY DATA SHEET

Date: 06/01/15

SECTION 14 – TRANSPORT INFORMATION

DOT	NOT REGULATED AS DANGEROUS GOODS
IATA	NOT REGULATED AS DANGEROUS GOODS
IMDG	NOT REGULATED AS DANGEROUS GOODS

SECTION 15 – REGULATORY INFORMATION

US FEDERAL REGULATIONS THIS PRODUCT IS NOT KNOWN TO BE A “HAZARDOUS CHEMICAL” AS DEFINED BY THE OSHA HAZARDOUS COMMUNICATIONS STANDARD, 29 CFR 1910.1200. ALL COMPONENTS ARE ON THE U.S. EPA TSCA INVENTORY LIST.

CERCLA/SARA HAZARDOUS SUBSTANCES – NOT APPLICABLE

TSCA SECTION 12 (b) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D) NOT REGULATED

CERCLA HAZARDOUS SUBSTANCES LIST (40 CFR 302.4) NOT LISTED

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050) NOT LISTED

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

HAZARD CATEGORIES IMMEDIATE HAZARD – NO

DELAYED HAZARD – NO

FIRE HAZARD – NO

PRESSURE HAZARD – NO

REACTIVITY HAZARD – NO

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE NOT LISTED

SARA 311/312 HAZARDOUS CHEMICAL NO

SARA 313 (TRI REPORTING) NOT REGULATED

OTHER FEDERAL REGULATIONS

CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS POLLUTANTS LIST NO

CLEAN AIR ACT (CAA) SECTION 112 ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130)

NOT REGULATED

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

Revision Date: 05/11/15	Rev. B	P/N: 67-0278A 7 of 9
-------------------------	--------	----------------------

SAFETY DATA SHEET

Date: 06/01/15

SECTION 15 – REGULATORY INFORMATION CONTINUED
--

SAFE DRINKING WATER ACT (SDWA)

NOT REGULATED

US STATE REGULATIONS THIS MATERIAL DOES NOT CONTAIN A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65): THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CHEMICALS CURRENTLY LISTED AS CARCINOGENS OR REPRODUCTIVE TOXINS.

US. MASSACHUSETTS RTK – SUBSTANCE LIST

NOT REGULATED

US. NEW JERSEY WORKER AND COMMUNITY RIGHT –TO-KNOW ACT

NOT REGULATED

US. PENNSYLVANIA RTK – HAZARDOUS SUBSTANCES

NOT REGULATED

US. RHODE ISLAND RTK

NOT REGULATED

US. CALIFORNIA PROPOSITION 65

NOT LISTED

INTERNATIONAL INVENTORIES

COUNTRY(S) OR REGION	INVENTORY NAME	ON INVENTORY
AUSTRALIA	AICS	YES
CANADA	DSL	YES
CANADA	NDSL	NO
CHINA	IECSC	YES
EUROPE	EINECS	YES
EUROPE	ELINCS	NO
JAPAN	ENCS	YES
KOREA	ECL	YES
NEW ZEALAND	NEW ZAEALAND INVENTORY	YES
PHILIPPINES	PICCS	YES
UNITED STATES & PUERTO RICO	TSCA	YES

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

Revision Date: 05/11/15	Rev. B	P/N: 67-0278A 8 of 9
--------------------------------	---------------	-----------------------------

SAFETY DATA SHEET

Date: 06/01/15



SECTION 15 – REGULATORY INFORMATION CONTINUED

- A “YES” INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY (S).
- A “NO” INDICATES THAT ONE OR MORE OF THE COMPONENTS OF THE PRODUCT ARE NOT LISTED OR EXCEDMPT FROM THE LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING COUNTRY (S).

SECTION 16 – OTHER INFORMATION

NFPA CLASIFICACION:	HEALTH HAZARD	0
	FIRE HAZARD	1
	REACTIVITY HAZARD	0
HMIS CLASSIFICATION:	HEALTH HAZARD	1
	FIRE HAZARD	1
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	B

MANUFACTURER DISCLAIMER: THE DATA HEREIN IS BASED UPON TESTS AND INFORMATION, WHICH WE BELIEVE TO BE RELIABLE. HOWEVER, USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMSATION FOR THEIR PARTICULAR USE.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.

Revision Date: 05/11/15	Rev. B	P/N: 67-0278A 9 of 9
-------------------------	--------	----------------------