



Prepared according to 29CFR 1910.1200.

1	Chemical Product and Company Identification
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Dekker Vacuum Technologies, Inc.
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Product Trade Name DURATEX 32CS - (1 Qt) 5210-0002-017
CAS Number Not applicable for mixtures.
Synonyms None.
Generic Chemical Name Mixture.
Product Type Multipurpose.

2	Hazards Identification
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Hazard Classification
Health Hazards Toxic to reproduction – Category 2

Unknown Toxicity

Acute toxicity, oral	0.0%
Acute toxicity, dermal	0.0%
Acute toxicity, inhalation, vapor, dust or mist	99.0%

Label Elements:**Hazard Symbol:****Signal Word:** Warning**Hazard Statement:** Suspected of damaging fertility or the unborn child.**Precautionary Statement:**

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.

Response: If exposed or concerned: Get medical advice/attention/ Collect spillage.

Storage: Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None identified.

See Section 11 for complete health hazard information.

3	Composition/Information on Ingredients
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Chemical name	CAS number	Percent by Weight
Tricresyl phosphate	1330-78-5	1 - 5%

4	First Aid Measures
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General Information: If exposed or concerned: Get medical advice/attention
Ingestion: Treat symptomatically. Get medical attention.
Inhalation: Remove exposed person to fresh air if adverse effects are observed.
Skin Contact: Wash with soap and water. If skin irritation occurs, get medical attention.
Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

Most important symptoms/effects, acute and delayed

Symptoms: See section 11.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5	Fire Fighting Measures
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- General Fire Hazards:** No unusual fire or explosion hazards noted.
- Suitable (and unsuitable) extinguishing media**
Suitable extinguishing media: CO2, dry chemical, foam, water spray, water fog.
Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.
- Specific hazards arising from the chemical:** A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.
- Special protective equipment and precautions for firefighters**
Special fire fighting procedures: No data available.
Special protective equipment for fire-fighters: Recommend wearing self-contained breathing apparatus.

6	Accidental Release Measures
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- Personal precautions, protective equipment and emergency procedures:**
 Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.
- Methods and material for containment and cleaning up:**
 Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.
- Environmental Precautions:**
 Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

7	Handling and Storage
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- Precautions for safe handling:** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Observe good industrial hygiene practices. Provide adequate ventilation. Use personal protective equipment as required. Launder contaminated clothing before reuse. Avoid environmental contamination.
- Maximum Handling Temperature:** Not determined.
- Conditions for safe storage, including Any incompatibilities:** Store away from incompatible materials. See section 10 for incompatible materials.
- Maximum Storage Temperature:** Not determined.

8	Exposure Controls/Personal Protection
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- Control Parameters:**
Occupational Exposure Limits None of the components have assigned exposure limits.
- Appropriate engineering controls:** No special requirements under ordinary conditions of use and with adequate ventilation.
- Individual protection measures, such as personal protective equipment**
General information: Use personal protective equipment as required.
- Eye/face protection:** If contact is likely, safety glasses with side shields are recommended.
- Skin Protection**
Hand Protection: Suitable gloves can be recommended by the glove supplier.
Other: Gloves, coveralls, apron, boots as necessary to minimize contact.
- Respiratory Protection:** Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.
- Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9	Physical and Chemical Properties
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- Appearance**
Physical state: liquid
Form: liquid
Color: Colorless to yellow

Odor:	Mild
Odor threshold:	No data available.
pH:	No data available.
Freezing point:	No data available.
Boiling Point:	No data available.
Flash Point:	> 444.9 °F (179.4 °C) (Cleveland Open Cup)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	0.967 68 °F (20 °C)
Solubility(ies)	
Solubility in water:	Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	34.4 mm ² /s (104 °F (40 °C)) 5.8 mm ² /s (100 °C (212 °F))

Other information

Bulk density: 8.064 lb/gal 77 °F (25 °C)

Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	Will not occur.
Conditions to Avoid:	Do not expose to excessive heat, ignition sources or oxidizing materials.
Incompatible Materials:	Strong acids. Strong bases.
Hazardous Decomposition Products:	Combustion generates smoke, carbon monoxide, carbon dioxide and other products of incomplete combustion. Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11

Toxicological Information

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects**Acute toxicity****Oral**

Product:	Not classified for acute toxicity based on available data. May cause irritation of the gastrointestinal tract. Ingestion of this material can result in neurotoxicity. Signs and symptoms include increased sweating of hands and feet, numbness, tingling and weakness in extremities, unsteady gait and decreased reflexes
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Dermal

Product:	ATEmix > 5000 mg/kg Skin absorption of components of this material will cause systemic effects; note toxicity in other sections.
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Inhalation

Product:	Not classified for acute toxicity based on available data. High concentrations may cause headaches, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, other central nervous system effects leading to visual impairment, respiratory failure, unconsciousness and death.
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Skin Corrosion/Irritation:

Product:	Prolonged or repeated contact may cause irritation. Remarks: Not classified as a primary skin irritant.
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Serious Eye Damage/Eye Irritation:

Product:	Remarks: Not classified as a primary eye irritant.
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Respiratory sensitization: No data available**Skin sensitization:** No data available

Specific Target Organ Toxicity - Single Exposure:

Tricresyl phosphate If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Aspiration Hazard: No data available

Chronic Effects

Carcinogenicity: No data available

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity:

No data available

Reproductive toxicity:

Tricresyl phosphate Suspected of damaging fertility. This material has been shown to impair fertility and cause adverse reproductive effects in rats and mice.

Specific Target Organ Toxicity - Repeated Exposure:

Tricresyl phosphate Repeated occupational exposure to tricresyl phosphate over a prolonged period of time may cause delayed neurotoxicity characterized by ataxia and tremors.

12	Ecological Information
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Ecotoxicity**Fish**

Tricresyl phosphate LC 50 (Rainbow Trout, 4 Days): 0.6 mg/l
NOEC (Rainbow Trout, 4 Days): 0.56 mg/l

Aquatic Invertebrates

Tricresyl phosphate EC 50 (Water flea (Daphnia magna), 2 d): 0.146 mg/l

Toxicity to Aquatic Plants

Tricresyl phosphate EC 50 (Alga, 3 Days): 0.4042 mg/l

Toxicity to soil dwelling organisms

No data available

Sediment Toxicity

No data available

Toxicity to Terrestrial Plants

No data available

Toxicity to Above-Ground Organisms

No data available

Toxicity to microorganisms

Tricresyl phosphate LC 50(Sludge, 0.1 Days): > 1,000 mg/l

Persistence and Degradability**Biodegradation**

Tricresyl phosphate OECD TG 301 D, 24.2 %, 28 d, Not readily degradable.

Bioaccumulative Potential**Bioconcentration Factor (BCF)**

No data available

Partition Coefficient n-octanol / water (log Kow)

Tricresyl phosphate Log Kow: 5.93 (Measured)

Mobility:

No data available

Other Adverse Effects:

No data available.

13	Disposal Considerations
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Disposal instructions:

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Contaminated Packaging:

Container packaging may exhibit hazards.

14	Transport Information
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DOT

UN Number:	UN 3082
UN Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s.(Tricresyl phosphate, Trixylenyl phosphate)
Transport Hazard Class(es)	
Class:	9
Label(s):	9
Packing Group:	III
Marine Pollutant:	Yes
Special precautions for user:	None established

IMDG

UN Number:	UN 3082
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Tricresyl phosphate, Trixylenyl phosphate)
Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-F
Packing Group:	III
Marine Pollutant:	Yes
Limited quantity	5.00L
Excepted quantity	E1
Special precautions for user:	None established

IATA

UN Number:	UN 3082
Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s.(Tricresyl phosphate, Trixylenyl phosphate)
Transport Hazard Class(es):	
Class:	9
Label(s):	9MI
Marine Pollutant:	Yes
Packing Group:	III
Limited quantity	30.00KG
Excepted quantity	E1
Environmental Hazards	Marine Pollutant
Special precautions for user:	None established
Other information	
Passenger and cargo aircraft:	Allowed.
Cargo aircraft only:	Allowed.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

None known.

Review classification requirements before shipping materials at elevated temperatures.

15	Regulatory Information
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US Federal Regulations**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories None known.

SARA 302 Extremely Hazardous Substance
 SARA 304 Emergency Release Notification
 SARA 311/312 Hazardous Chemical
 SARA 313 (TRI Reporting)

This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA).

US State Regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

Inventory Status

Australia (AICS)	All components are in compliance with chemical notification requirements in Australia.
Canada (DSL/NDSL)	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
China (IECSC)	All components of this product are listed on the Inventory of Existing Chemical Substances in China.
Japan (ENCS)	All components are in compliance with the Chemical Substances Control Law of Japan.
Korea (ECL)	All components are in compliance in Korea.
New Zealand (NZIoC)	All components are in compliance with chemical notification requirements in New Zealand.
Philippines (PICCS)	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
Switzerland (SWISS)	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Taiwan (TCSCA)	All components of this product are listed on the Taiwan inventory.
United States (TSCA)	All components of this material are on the US TSCA Inventory.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

16		Other Information			
US NFPA Codes		Health	Fire	Reactivity	Special
		1	1	0	N/E
	(N/E) - None established				
HMIS Codes		Health	Fire	Reactivity	
		1	1	0	
Revision Indicators	All: Reformat to SDS Requirements 18 November 2015				

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