



# Hydro-Balance PVE 68

H-PVE6832, H-PVE6801

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision date: 5/3/2023 Supersedes: 4/8/2015

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Hydro-Balance PVE 68  
Product code : H-PVE6832, H-PVE6801

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Refrigeration lubricant

#### 1.3. Supplier

##### Distributor

Hydro-Balance Corporation  
P.O. Box 1318, Lewisville, TX 75067  
USA  
T 972-394-9422, 800-527-5166 - F 972-394-6755  
[Info@HydroBalance.com](mailto:Info@HydroBalance.com) - [www.HydroBalance.com](http://www.HydroBalance.com)

##### Manufacturer

North American Research Corporation  
519 Huffines Blvd., Lewisville, TX 75056  
P.O. Box 1318, Lewisville, TX 75067  
USA  
T 972-492-1800, 800-527-7520 - F 972-394-6755  
[Info@narcochem.com](mailto:Info@narcochem.com) - [www.narcochem.com](http://www.narcochem.com)

#### 1.4. Emergency telephone number

Emergency number : For Chemical Emergency Call Infotrac 24hr/day 7days/week  
Within USA and Canada: 1-800-535-5053  
Outside USA and Canada: 1-352-323-3500

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Reproductive toxicity Category 2 H361 Suspected of damaging fertility or the unborn child (oral)  
Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning  
Hazard statements (GHS US) : H361 - Suspected of damaging fertility or the unborn child (oral)  
Precautionary statements (GHS US) : P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national and international regulations

#### 2.3. Other hazards which do not result in classification

No additional information available

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### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer)	CAS-No.: 1330-78-5	1 – 5

If the specific chemical identity and/or exact percentage of an ingredient is not specified, the information has been withheld as a trade secret.

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Do not induce vomiting. Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

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### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Hydro-Balance PVE 68

No additional information available

#### tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer) (1330-78-5)

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

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### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

Wear respiratory protection.

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Colorless to pale yellow liquid.
Color	: Colourless to light yellow
Odor	: Mild odor
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 180 °C COC ASTM D92
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 0.94 g/m <sup>3</sup> @15°C
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 67 mm <sup>2</sup> /s @40°C
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

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### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

#### tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer) (1330-78-5)

LD50 oral rat	15750 mg/kg
LD50 dermal rabbit	3700 mg/kg
LC50 Inhalation - Rat	> 11.1 mg/l
ATE US (oral)	15750 mg/kg body weight
ATE US (dermal)	3700 mg/kg body weight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn child (oral).

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : 67 mm<sup>2</sup>/s @40°C

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer) (1330-78-5)

LC50 - Fish [1]	0.6 mg/l
EC50 - Crustacea [1]	146 µg/l
EC50 96h - Algae [1]	1.3 mg/l ECOTOX

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tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer) (1330-78-5)	
ErC50 algae	> 2.5 mg/l
NOEC chronic fish	0.01 mg/l

### 12.2. Persistence and degradability

tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer) (1330-78-5)	
Persistence and degradability	OECD TG 301 D. 24.2 % biodegradation 28 days. Not readily biodegradable.

### 12.3. Bioaccumulative potential

tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer) (1330-78-5)	
BCF - Fish [1]	≤ 2000
Partition coefficient n-octanol/water (Log Pow)	5.93

### 12.4. Mobility in soil

tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer) (1330-78-5)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.31

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable

### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Not applicable

**IMDG**  
Transport hazard class(es) (IMDG) : Not applicable

**IATA**  
Transport hazard class(es) (IATA) : Not applicable

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### 14.4. Packing group

Packing group (DOT) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### DOT

No data available

#### IMDG

No data available

#### IATA

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer) (1330-78-5)

SARA Section 311/312 Hazard Classes	Health hazard - Reproductive toxicity
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### 15.2. International regulations

#### CANADA

#### tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer) (1330-78-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

Component	State or local regulations
tricresyl phosphates, mixture of isomers, (less than 1% ortho-isomer)(1330-78-5)	U.S. - New Jersey - Right to Know Hazardous Substance List

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### SECTION 16: Other information

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Revision date : 05/03/2023

Full text of H-phrases	
H361	Suspected of damaging fertility or the unborn child

Safety Data Sheet (SDS), USA

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