



# DECON-CLEAN

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

VELTEK ASSOCIATES, INC.

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Version: 4.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Product name : DECON-CLEAN  
 Product code : SDS DC-01-98

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

Use of the substance/mixture : Residue remover  
 Restrictions on use : For professional use only

#### 1.3. Supplier

Veltek Associates, Inc.  
 15 Lee Blvd  
 Malvern, PA 19355-1234 USA  
 Telephone: +1 610-644-8335 - Fax: +1 610-644-8336  
 E-mail: vai@sterile.com

In Canada distributed by:  
 Canada Clean Room (CCR)  
 200 Terence Matthews  
 Kanata, ONT K2M 2C6, Canada  
 Telephone: 888-595-8070

#### 1.4. Emergency telephone number

Emergency number : CARECHEM 24: 1-215-207-0061  
 1-866-928-0789 (toll free)  
 Canada: 1-800-579-7421 (toll free)  
 Mexico: +52-55-5004-8763

### SECTION 2: Hazard(s) identification

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

##### GHS US classification

Serious eye damage/eye irritation Category 2A H319 Causes serious eye irritation  
 Hazardous to the aquatic environment - Acute Hazard Category 3 H402 Harmful to aquatic life  
 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) : H319 - Causes serious eye irritation  
 H402 - Harmful to aquatic life  
 Precautionary statements (GHS US) : P264 - Wash hands thoroughly after handling.  
 P273 - Avoid release to the environment.  
 P280 - Wear eye protection, protective clothing, protective gloves.  
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P501 - Dispose of contents/container to an authorized waste collection point

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

Other hazards not contributing to the 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	%	GHS US classification
Water	(CAS-No.) 7732-18-5	85 - 90	Not classified
Fatty acids, tall oil, potassium salts	(CAS-No.) 61790-44-1	5 - 10	Not classified
Alcohols, C9-11, branched and linear, ethoxylated	(CAS-No.) 68439-46-3	1 - < 3	Eye Dam. 1, H318 Aquatic Acute 2, H401
Tetrasodium ethylene diamine tetraacetate	(CAS-No.) 64-02-8	0.1 - < 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Dam. 1, H318 STOT RE 2, H373
Tetrasodium pyrophosphate	(CAS-No.) 7722-88-5	0.1 - < 1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

\*Chemical name, CAS number and/or exact concentration have 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 : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove person to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop obtain medical attention.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, consult a doctor.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

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

- Potential Adverse human health effects and symptoms : Causes serious eye irritation.

### 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 : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Not flammable. Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.

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

- Firefighting instructions : Keep upwind. Exercise caution when fighting any chemical fire. On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray. Do not allow run-off from fire fighting to enter drains or water courses.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate area. Avoid inhalation of vapors. Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel.

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### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Use chemically protective clothing.  
Emergency procedures : Ventilate area. Avoid inhalation of vapors. Avoid contact with skin, eyes and clothing.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- Methods for cleaning up : Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

### 6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapor. Avoid inhalation of vapors. Avoid contact with skin, eyes and clothing.  
Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

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

- Technical measures : Comply with applicable regulations.  
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container closed when not in use.  
Incompatible materials : Strong acids. Strong alkalis. Strong oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Provide good ventilation in process area to prevent formation of vapor. Ensure exposure is below occupational exposure limits (where available). Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.  
Environmental exposure controls : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

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

#### Personal protective equipment:

Avoid all unnecessary exposure. Wear suitable protective clothing.

#### Hand protection:

Wear chemically resistant protective gloves. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact

#### Respiratory protection:

Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment

#### Thermal hazard protection:

Not required for normal conditions of use.

#### Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Liquid.
Color	: Amber
Odor	: Characteristic
Odor threshold	: No data available
pH	: 9.5 - 11
Melting point	: Not applicable
Freezing point	: 0 °C (32 °F)
Boiling point	: 100 °C (212 °F)
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: 20 mm Hg (20 °C/68 °F)
Relative vapor density at 20 °C	: > 1 (Air = 1)
Relative density	: 1.01 - 1.04 (20 °C/68 °F)(Water = 1)
Solubility	: Water: completely miscible
Log Pow	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not established
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidizing.

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

#### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Extremely high or low temperatures. Freezing.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Fire may produce irritating, corrosive and/or toxic gases. Carbon monoxide. Carbon dioxide.

### 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

#### Tetrasodium ethylene diamine tetraacetate (64-02-8)

LD50 oral, rat	1780 - 2000 mg/kg
LC50 inhalation, rat (mg/l)	> 30 mg/l - 6 Hours (OECD 412 method)

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<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
LD50 oral, rat	300 - 2000 mg/kg body weight
LD50 dermal, rat	> 2000 mg/kg body weight
<b>Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)</b>	
LD50 oral, rat	3488 mg/kg (female)(Read-across)
LD50 dermal, rabbit	2000 mg/kg (male)(Read-across)
LC50 inhalation, rat (mg/l)	> 1.6 mg/l - 4 Hours (Read-across)

Skin corrosion/irritation	: Not classified pH: 9.5 - 11
Serious eye damage/irritation	: Causes serious eye irritation. pH: 9.5 - 11
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified

<b>Tetrasodium ethylene diamine tetraacetate (64-02-8)</b>	
Specific target organ toxicity – repeated exposure	May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation).

Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential Adverse human health effects and symptoms	: Causes serious eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Tetrasodium ethylene diamine tetraacetate (64-02-8)</b>	
LC50 fish	121 - 1592 mg/l - 96 Hours (Lepomis macrochirus)
EC50 Daphnia	140 mg/l - 48 Hours (Daphnia magna)(DIN 38412; 11) (Read-across, CAS 6381-92-6)
NOEC chronic fish	25.7 mg/l - 35 days (Danio rerio)(OECD 210 method) (Read-across, CAS 62-33-9)
NOEC chronic crustacea	25 mg/l - 21 days (Daphnia magna) (Read-across, CAS 6381-92-6)

<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
LC50 fish	> 100 mg/l - 96 Hours (Oncorhynchus mykiss), (Read-across, CAS 7320-34-5), (OECD 203 method)
EC50 Daphnia	> 100 mg/l - 48 Hours (Daphnia magna, Mobility), (Read-across, CAS 7320-34-5)
ErC50 (algae)	> 100 mg/l - 72 Hours (Desmodesmus subspicatus), (Read-across, CAS 7320-34-5), (OECD 201 method)
Additional ecotox information	NOEC, algae: > 100 mg/l (72 Hours, (Desmodesmus subspicatus, Growth rate), (Read-across, CAS 7320-34-5), (OECD 201 method))

<b>Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)</b>	
LC50 fish	5 - 7 mg/l - 96 Hours (Oncorhynchus mykiss)
EC50 Daphnia	2.5 mg/l - 48 Hours (Daphnia magna, Mobility)

### 12.2. Persistence and degradability

<b>DECON-CLEAN</b>	
Persistence and degradability	No information available.

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<b>Tetrasodium ethylene diamine tetraacetate (64-02-8)</b>	
Persistence and degradability	Not readily biodegradable.
<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
Persistence and degradability	Not relevant for inorganic substances.

### 12.3. Bioaccumulative potential

<b>DECON-CLEAN</b>	
Bioaccumulative potential	No information available.
<b>Tetrasodium ethylene diamine tetraacetate (64-02-8)</b>	
Bioaccumulative potential	Not expected to bioaccumulate.
<b>Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)</b>	
Log Pow	3.74 (25 °C)

### 12.4. Mobility in soil

<b>DECON-CLEAN</b>	
Ecology - soil	Miscible with water.
<b>Tetrasodium ethylene diamine tetraacetate (64-02-8)</b>	
Mobility in soil	Not expected to adsorb to soil
<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
Ecology - soil	Soluble in water.
<b>Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)</b>	
Ecology - soil	Moderately soluble in water.

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Additional information : Handle empty containers with care.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated

### Transportation of Dangerous Goods

Not regulated

### Transport by sea

Not regulated

### Air transport

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<b>DECON-CLEAN</b>	
SARA Section 311/312 Hazard Classes	Health hazard - Serious eye damage or eye irritation

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<b>Fatty acids, tall oil, potassium salts (61790-44-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Tetrasodium ethylene diamine tetraacetate (64-02-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
<b>Water (7732-18-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

### 15.2. International regulations

#### CANADA

<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Water (7732-18-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	

#### EU-Regulations

#### 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, developmental and/or reproductive harm

Component	State or local regulations
Tetrasodium pyrophosphate(7722-88-5)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Revision date : 11/20/2019  
Data sources : US OSHA HazCom (GHS) 25 May 2012.  
Other information : None.

Full text of H-phrases:

H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life
H402	Harmful to aquatic life

Abbreviations and acronyms:

	ACGIH (American Conference of Government Industrial Hygienists)
	ATE (Acute Toxicity Estimate)
	CAS (Chemical Abstracts Service) number

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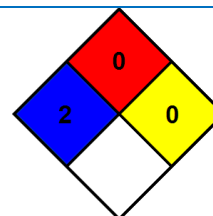
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	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	STEL (Short Term Exposure Limit)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

### Indication of changes:

Section	Changed item	Change	Comments
1	Identification	Modified	
2	Hazards identification	Modified	
3	Composition/Information on ingredients	Modified	
5	Fire fighting measures	Modified	
11	Toxicological information	Modified	
12.	Ecological information	Modified	
13	Disposal considerations	Modified	
15	Regulatory information	Modified	
16	Other information	Modified	

### SDS US (GHS HazCom 2012)

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