

**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)  
20 Cope Dr.  
Kanata, ON K2M 2V8, Canada  
Telephone: 1-(888)-595-8070

Fisher Scientific  
112 Colonnade Road  
Ottawa, Ontario, Canada K2E 7L6  
Telephone: 1-800-234-7437

VWR International  
2360 Argentia Road  
Mississauga, Ontario L5N 5Z7  
Telephone: 1-800-932-5000

**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 2B H320 Causes eye irritation  
Full text of H statements : see section 16

**2.2. GHS Label elements, including precautionary statements****GHS US labeling**

Signal word (GHS US) : Warning  
Hazard statements (GHS US) : H320 - Causes eye irritation

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Precautionary statements (GHS US) : P264 - Wash hands thoroughly after handling.  
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.

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

No additional information available

### 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 Irrit. 2A, H319 Aquatic Acute 2, H401
Tetrasodium ethylene diamine tetraacetate	CAS-No.: 64-02-8	< 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	< 1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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 : Not expected to present a significant hazard under anticipated conditions of normal use.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

First-aid measures after eye contact : Rinse immediately with plenty of water. Ensure that folded skin of eyelids is thoroughly washed with water. 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)

Symptoms/effects after skin contact : Repeated and/or prolonged skin contact may cause irritation.

Symptoms/effects after eye contact : Causes eye irritation.

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

Treat symptomatically.

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### 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.

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

Firefighting instructions : Exercise caution when fighting any chemical fire. Cool closed containers that are near the source of the fire. Prevent fire-fighting water from entering environment.

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 contact with eyes, skin and clothing. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required. See Section 8.

Emergency procedures : Ventilate area. Avoid contact with eyes, skin and clothing.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters.

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

For containment : Stop leak, if possible without risk. Dam up the liquid spill.

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 : 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

Storage conditions : Store in a dry, cool and well-ventilated place. Keep out of direct sunlight.

Incompatible materials : Water-reactive materials. Strong oxidizing agents.

Storage temperature : Store at ambient temperatures and ambient atmospheric pressures

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### DECON-CLEAN®

No additional information available

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Provide adequate ventilation. Ensure exposure is below occupational exposure limits (where available).
- 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:

Long sleeved clothing

##### Respiratory protection:

Not required for normal conditions of use

##### 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.

### 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 – 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 flammable.
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)

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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. Direct sunlight.

### 10.5. Incompatible materials

Water-reactive materials. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

None known.

## 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
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#### Tetrasodium pyrophosphate (7722-88-5)

LD50 oral, rat	300 – 2000 mg/kg body weight
LD50 dermal, rabbit	> 2000 mg/kg body weight

#### Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)

LD50 oral, rat	3488 mg/kg (female)(Read-across)
LD50 dermal, rabbit	2000 mg/kg (male)(Read-across)

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<b>Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)</b>	
LC50 inhalation, rat (mg/l)	> 1.6 mg/l - 4 Hours (Read-across)
ATE US (oral)	3488 mg/kg body weight
ATE US (dermal)	2000 mg/kg body weight

Skin corrosion/irritation	: Not classified pH: 9 – 11
Serious eye damage/irritation	: Causes eye irritation. pH: 9 – 11
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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

<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
NOAEL (oral,rat,90 days)	500 mg/kg body weight (OECD 408 method)

Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Repeated and/or prolonged skin contact may cause irritation.
Symptoms/effects after eye contact	: Causes eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Tetrasodium pyrophosphate (7722-88-5)</b>	
LC50 fish	> 100 mg/l - 96 Hours (Oncorhynchus mykiss), (Read-across, CAS 66922-99-4), (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 66922-99-4), (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.

<b>Tetrasodium ethylene diamine tetraacetate (64-02-8)</b>	
Persistence and degradability	Not readily biodegradable.

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Tetrasodium pyrophosphate (7722-88-5)	
Persistence and degradability	Not relevant for inorganic substances.

### 12.3. Bioaccumulative potential

DECON-CLEAN®	
Bioaccumulative potential	No information available.

Tetrasodium ethylene diamine tetraacetate (64-02-8)	
BCF - Fish [1]	1.8 l/kg
Log Pow	-13.17 (calculated value)
Bioaccumulative potential	Not expected to bioaccumulate.

Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)	
Log Pow	3.74 (25 °C)

### 12.4. Mobility in soil

DECON-CLEAN®	
Ecology - soil	Miscible with water.

Tetrasodium pyrophosphate (7722-88-5)	
Ecology - soil	Soluble in water.

Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)	
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.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

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

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### 14.3. Transport hazard class(es)

#### DOT

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

#### TDG

Transport hazard class(es) (TDG) : Not applicable

#### IMDG

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

#### IATA

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

### 14.4. Packing group

Packing group (DOT) : Not applicable

Packing group (TDG) : 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

#### TDG

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

### 15.2. International regulations

#### CANADA

#### Fatty acids, tall oil, potassium salts (61790-44-1)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

### Tetrasodium pyrophosphate (7722-88-5)

Listed on the Canadian DSL (Domestic Substances List)

### Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)

Listed on the Canadian DSL (Domestic Substances List)

### Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

### Tetrasodium pyrophosphate (7722-88-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Alcohols, C9-11, branched and linear, ethoxylated (68439-46-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Water (7732-18-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### 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. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Revision date	: 06/07/2022
Data sources	: US OSHA HazCom (GHS) 25 May 2012. ECHA (European Chemicals Agency), <a href="http://echa.europa.eu/">http://echa.europa.eu/</a> . NFPA 704, 2022 edition.
Other information	: None.

#### Full text of H-phrases

H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation

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Full text of H-phrases	
H320	Causes eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life

Abbreviations and acronyms	
	ACGIH (American Conference of Government Industrial Hygienists)
	ATE (Acute Toxicity Estimate)
	CAS (Chemical Abstracts Service) number
	EC50 (Effective Concentration 50%)
	DOT (Department Of Transportation (US))
	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)
	NIOSH (National Institute for Occupational Safety and Health)
	QSAR (Quantitative Structure-Activity Relationship)
	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

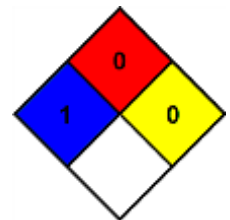
: 1 - Materials that, under emergency conditions, can cause significant irritation.

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.



Indication of changes:			
Section	Changed item	Change	Comments
1	Identification	Modified	
2	Hazards identification	Modified	
3	Composition/Information on ingredients	Modified	

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4	First aid measures	Modified	
5	Fire fighting measures	Modified	
6	Accidental release measures	Modified	
7	Handling and storage	Modified	
8	Exposure controls / Personal protection equipment	Modified	
9	Physical and chemical properties	Modified	
10	Stability and reactivity	Modified	
11	Toxicological information	Modified	
12.	Ecological information	Modified	
13	Disposal considerations	Modified	
15	Regulatory information	Modified	
16	Other information	Modified	

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