

SAFETY DATA SHEET

Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name or designation of the mixture DEC-Clean
Registration number -
Synonyms None.
Date of first issue 07-December-2011
Version number 01 DC-01-98-EU
Revision date -
Supersedes date -

Relevant identified uses of the substance or mixture and uses advised against

Identified uses Cleaner, Residue Remover.
Uses advised against None known.

Details of the supplier of the safety data sheet

Supplier

Company name Veltek Associates, Inc.
Address 15 Lee Blvd
MALVERN, PA 19355 USA
Telephone 610-644-8335
e-mail vai@sterile.com
Contact person All questions regarding chemical content should be directed to CareCHEM 24
CARECHEM 24 44-1235-239-670

Section 2: Hazards identification

Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xi;R41

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards
Serious eye damage/eye irritation Category 1 Causes serious eye damage.

Hazard summary

Physical hazards Not classified for physical hazards.
Health hazards Risk of serious damage to eyes.
Environmental hazards Not classified for hazards to the environment.
Specific hazards May cause skin irritation. Prolonged or repeated contact may dry skin and cause dermatitis.
Main symptoms Exposed may experience eye tearing, redness, and discomfort. Prolonged or repeated skin contact may cause drying, cracking, or irritation. Ingestion may cause irritation and malaise.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Nonylphenol, ethoxylated, Tetrasodium ethylene diamine tetraacetate



Signal word Danger
Hazard statements Causes serious eye damage.

Precautionary statements

Prevention Wear protective gloves/protective clothing/eye protection/face protection.

| | |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Response | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. |
| Storage | Store away from incompatible materials. |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. |
| Supplemental label information | None. |
| Other hazards | Not a PBT or vPvB substance or mixture. |

Section 3: Composition/information on ingredients

Mixture

General information

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | INDEX No. | Notes |
|-------------------------------------------|----------------------------------------------------------------------|-------------------------|------------------------|--------------|-------|
| Potassium soap | 5 - 10 | 61790-44-1 263-136-1 | - | - | |
| Classification: | DSD: Xi;R36 | | | | |
| | CLP: Eye Irrit. 2;H319 | | | | |
| Nonylphenol, ethoxylated | 1 - 5 | 9016-45-9 500-024-6 | - | - | |
| Classification: | DSD: Xn;R22, Xi;R41, N;R50 | | | | |
| | CLP: Acute Tox. 4;H302, Eye Dam. 1;H318, Aquatic Acute 1;H400 | | | | |
| Tetrasodium ethylene diamine tetraacetate | 1 - 5 | 64-02-8 200-573-9 | - | 607-428-00-2 | |
| Classification: | DSD: Xn;R22, Xi;R41 | | | | |
| | CLP: Acute Tox. 4;H302, Eye Dam. 1;H318 | | | | |
| Tetrasodium pyrophosphate | 0.1 - 1 | 7722-88-5 231-767-1 | - | - | # |
| Classification: | DSD: Xn;R22, Xi;R41 | | | | |
| | CLP: Acute Tox. 4;H302, Eye Dam. 1;H318 | | | | |

#: This substance has workplace exposure limit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Section 4: First aid measures

General information First aid personnel must be aware of own risk during rescue.

Description of first aid measures

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation | Move to fresh air. Get medical attention if discomfort develops or persists. |
| Skin contact | Flush contaminated area with plenty of water. Get medical attention if irritation develops and persists. |
| Eye contact | Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Continue rinsing. Get medical attention. |
| Ingestion | Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues. |

Most important symptoms and effects, both acute and delayed Exposed may experience eye tearing, redness, and discomfort. Prolonged or repeated skin contact may cause drying, cracking, or irritation. Ingestion may cause irritation and malaise.

Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically.

Section 5: Firefighting measures

General fire hazards The product is non-combustible.

Extinguishing media

| | |
|---------------------------------------|---------------------------------------------------------------------|
| Suitable extinguishing media | Use fire-extinguishing media appropriate for surrounding materials. |
| Unsuitable extinguishing media | None known. |

| | |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special hazards arising from the substance or mixture | Not available. |
| Advice for firefighters | |
| Special protective equipment for firefighters | Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. |
| Special firefighting procedures | Move containers from fire area if you can do it without risk. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Use water spray to cool unopened containers. |

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

| | |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For non-emergency personnel | Avoid inhalation of vapours and contact with skin and eyes. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS. |
| For emergency responders | Keep unnecessary personnel away. Wear protective clothing as described in Section 8 of this safety data sheet. |
| Environmental precautions | Do not contaminate water. Environmental manager must be informed of all major spillages. |
| Methods and material for containment and cleaning up | This product is miscible in water. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. |
| Reference to other sections | For personal protection, see section 8. For waste disposal, see section 13. |

Section 7: Handling and storage

| | |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | Provide adequate ventilation. Avoid inhalation of vapours/mist and contact with skin and eyes. Wear personal protective equipment. Observe good laboratory hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Keep container tightly closed in a cool, well-ventilated place. Do not store in direct sunlight. Do not store above 49°C. |
| Specific end use(s) | Cleaner, Residue Remover. |

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

| Components | Type | Value |
|---------------------------------------|------|---------|
| Tetrasodium pyrophosphate (7722-88-5) | TWA | 5 mg/m3 |

Recommended monitoring procedures Follow standard monitoring procedures.

DNEL Not available.

PNEC Not available.

Exposure controls

Appropriate engineering controls Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Make sure to provide adequate control by applying the "COSHH Essentials" procedure.

Eye/face protection Use approved safety goggles or face shield.

Skin protection

- Hand protection Wear protective gloves. Nitrile gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

- Other Wear suitable protective clothing.

Respiratory protection In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with gas filter (type A2).

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Environmental manager must be informed of all major releases.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance Amber. Viscous liquid.

Physical state Liquid.

Form Viscous liquid.

Colour Amber.

Odour Characteristic.

Odour threshold Not available.

pH 10 - 10.8

Melting point/freezing point Not available.

Boiling point, initial boiling point, and boiling range 100 °C (212 °F)

Flash point Not applicable.

Auto-ignition temperature Not applicable.

Flammability (solid, gas) Not applicable.

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Oxidising properties Not oxidizing.

Explosive properties Not explosive.

Explosive limit Not applicable.

Vapour pressure 20 mmHg at 20°C

Vapour density > 1 (Air = 1)

Evaporation rate < 1

Relative density Not available.

Solubility (water) Completely soluble in water.

Partition coefficient (n-octanol/water) Not available.

Decomposition temperature Not available.

Viscosity > 85 %

Percent volatile Not available.

Other information No relevant additional information available.

Section 10: Stability and reactivity

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

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerisation does not occur.

Conditions to avoid Contact with incompatible materials. Excessive heat. Freezing.

Incompatible materials Strong acids. Strong bases. Strong oxidising agents. Alkali metals.

Hazardous decomposition products None known.

Section 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion Ingestion may cause irritation and malaise.

Inhalation In high concentrations, vapours may be irritating to the respiratory system.

Skin contact Prolonged or repeated contact may dry skin and cause irritation.

| | |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact | Causes serious eye damage. |
| Symptoms | Exposed may experience eye tearing, redness, and discomfort. Prolonged contact may cause dryness of the skin. Ingestion may cause irritation and malaise. |

Information on toxicological effects

| | |
|-----------------------|-------------------------------|
| Acute toxicity | Causes severe eye irritation. |
|-----------------------|-------------------------------|

| Components | Test results |
|-----------------------------------------------------------|---------------------------------------------------------|
| Tetrasodium ethylene diamine tetraacetate (64-02-8) | Acute Oral LD50 Rat: > 2000 mg/kg |
| Tetrasodium pyrophosphate (7722-88-5) | Acute Oral LD50 4000 mg/kg |
| Skin corrosion/irritation | No data available. |
| Serious eye damage/eye irritation | Causes severe eye damage. |
| Respiratory sensitisation | No data available. |
| Skin sensitisation | Not a skin sensitiser. |
| Germ cell mutagenicity | No data available. |
| Carcinogenicity | No data available. |
| Reproductive toxicity | No data available. |
| Specific target organ toxicity - single exposure | None known. |
| Specific target organ toxicity - repeated exposure | None known. |
| Aspiration hazard | No data available. |
| Mixture versus substance information | None known. |
| Other information | No other specific acute or chronic health impact noted. |

Section 12: Ecological information

Toxicity

| Components | Test results |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tetrasodium ethylene diamine tetraacetate (64-02-8) | LC50 Bluegill (<i>Lepomis macrochirus</i>): 472 - 500 mg/l 96 hours |
| Tetrasodium pyrophosphate (7722-88-5) | LC50 Western mosquitofish (<i>Gambusia affinis</i>): 1380 mg/l 96 hours |
| Nonylphenol, ethoxylated (9016-45-9) | EC50 Water flea (<i>Daphnia magna</i>): 12.2 mg/l 48 hours LC50 Bluegill (<i>Lepomis macrochirus</i>): 1 - 1.8 mg/l 96 hours |
| Persistence and degradability | No data available. |
| Bioaccumulative potential | No data available. |
| Mobility | The product is water soluble and may spread in water systems. |
| Environmental fate - Partition coefficient | Not available. |
| Mobility in soil | This product is water soluble and may disperse in soil. |
| Results of PBT and vPvB assessment | No data available. |
| Other adverse effects | The product contains a substance which is very toxic to aquatic organisms. The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |

Section 13: Disposal considerations

Waste treatment methods

| | |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Residual waste | Dispose in accordance with all applicable regulations. |
| Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. |
| EU waste code | 07 06 01* |
| Disposal methods/information | This material and its container must be disposed of as hazardous waste. Dispose in accordance with all applicable regulations. |

Section 14: Transport information

ADR

The product is not covered by international regulation on the transport of dangerous goods.

RID

The product is not covered by international regulation on the transport of dangerous goods.

ADN

The product is not covered by international regulation on the transport of dangerous goods.

IATA

The product is not covered by international regulation on the transport of dangerous goods.

IMDG

The product is not covered by international regulation on the transport of dangerous goods.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code No information available.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Nonylphenol, ethoxylated (CAS 9016-45-9)

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Nonylphenol, ethoxylated (CAS 9016-45-9)

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List

Not listed.

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations

Follow national regulation for work with chemical agents.

Chemical safety assessment

No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations

DSD: Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.
DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration.

References

Registry of Toxic Effects of Chemical Substances (RTECS)
HSDB® - Hazardous Substances Data Bank

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

R22 Harmful if swallowed.
R36 Irritating to eyes.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
H302 - Harmful if swallowed.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.
H400 - Very toxic to aquatic life.

Training information

Follow training instructions when handling this material.

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

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