



SAFETY DATA SHEET

VERSA-TL 3 DRY

Revision Date 08/10/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : VERSA-TL 3 DRY

Product Use Description : For industrial use only.

Company : Deep South Chemical, Inc.
229 Millstone Road
Broussard, LA 70528
USA

Telephone : +13378379931

Fax : +13378379565

E-mail address :

Emergency telephone : Chemtrec: 800-424-9300 Canutec: 613-996-6666

2. HAZARDS IDENTIFICATION

Emergency Overview

| | |
|------------|------------|
| Appearance | solid |
| Color | tan |
| Odor | negligible |

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Potential Health Effects

Inhalation : Not expected to be irritating.

Skin : Not expected to be irritating.

Eyes : Not expected to be irritating.

Ingestion : Not expected to be irritating.

Aggravated Medical Condition : None known.

Symptoms of Overexposure : No information available.

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Carcinogenicity:

- IARC** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- OSHA** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP** : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- ACGIH** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

| Chemical Name | CAS-No. | Classification | Concentration [%] |
|--------------------|---------|---|-------------------|
| Triethyl phosphate | 78-40-0 | Acute Tox. 4; H302 Eye Irrit. 2A; H319 | 1 -5 |

or the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
- Inhalation : If breathed in, move person into fresh air.
If symptoms persist, call a physician.
- Skin contact : Remove contaminated clothing.
Rinse with water.
- Eye contact : Rinse with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
- Ingestion : Clean mouth with water and drink afterwards plenty of water.
Never give anything by mouth to an unconscious person.
- Notes to physician**
- Symptoms : No information available.
- Risks : No information available.
- Treatment : No information available.
-

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire fighting / Specific hazards arising from the chemical : No hazards to be specially mentioned.
- Combustion products : Carbon oxides
Phosphates
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Standard procedure for chemical fires.
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See also Section 9. Physical and chemical properties: Safety data

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : No conditions to be specially mentioned.
- Environmental precautions : No special environmental precautions required.
- Methods for cleaning up /
Methods for containment : Sweep up and shovel.
Keep in suitable, closed containers for disposal.
- Additional advice : For personal protection see section 8.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : For personal protection see section 8.
No special handling advice required.
- Advice on protection against
fire and explosion : Provide appropriate exhaust ventilation at places where dust
is formed.

Storage

- Requirements for storage
areas and containers : Keep container tightly closed in a dry and well-ventilated
place.
- Advice on common storage : No special restrictions on storage with other products.
- Other data : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Ingredients with workplace control parameters

| Ingredients | CAS-No. | Value | Control parameters | Update | Basis | Form of exposure |
|--------------------|---------|-------|------------------------|------------|---------|------------------|
| Triethyl phosphate | 78-40-0 | TWA | 7.45 mg/m ³ | 2010-08-01 | US WEEL | |

STEL: Short term exposure limit

TWA: Time Weighted Average

Engineering measures

Personal protective equipment

- Eye/face protection : Safety glasses
- Hand protection : Glove material: For prolonged or repeated contact use
protective gloves.
: Glove material: Protective gloves complying with EN 374.
- Respiratory protection : No personal respiratory protective equipment normally
required.
In the case of dust, vapor or aerosol formation use respirator

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with an approved filter.

Hygiene measures : General industrial hygiene practice.

Environmental exposure controls

General advice : No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : solid
Color : tan
Odor : negligible
Odor Threshold : No data available

Safety data

pH : not applicable
Melting point/range : No data available
Boiling point/boiling range : not applicable
Flash point : not applicable
Ignition temperature : > 100 °C
Evaporation rate : not applicable
Flammability (solid, gas) : The product is not flammable.
Lower explosion limit : not applicable
Upper explosion limit : not applicable
Vapor pressure : not applicable
Relative vapor density : not applicable
Relative density : No data available
Bulk density : 800 kg/m³
Water solubility : soluble
Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No data available
Autoignition temperature : No data available
Decomposition temperature : No data available
Viscosity, dynamic : at 20 °C

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| | |
|----------------------|--|
| | : not applicable |
| Viscosity, kinematic | : at 20 °C not applicable |
| Explosive properties | : Not explosive |
| Oxidizing properties | : The substance or mixture is not classified as oxidizing. |

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|---|
| Conditions to avoid | : None known. |
| Materials to avoid | : None known. |
| Hazardous decomposition products | : No hazardous decomposition products are known. |
| Thermal decomposition | : No data available |
| Reactivity | : Stable under normal conditions. |
| Chemical stability | : Stable under recommended storage conditions. |
| Hazardous reactions | : No dangerous reaction known under conditions of normal use. |

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

Toxicology Assessment

Further information : No further data available.

Test result

Acute oral toxicity : LD50: > 5,000 mg/kg
Species: rat

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Carcinogenicity:

IARC : No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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TOXICOLOGY DATA FOR THE INGREDIENTS:

Test result

Component: Triethyl phosphate

Acute oral toxicity : LD50: 1,165 mg/kg
Species: rat

Eye irritation : Result: Irritating to eyes.

12. ECOLOGICAL INFORMATION

PRODUCT INFORMATION:

Ecotoxicology Assessment

Additional ecological information : None known.

Further information on ecology

Hazardous to the ozone layer

Regulation : 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

INGREDIENTS:

Test result

Component: Triethyl phosphate

Ecotoxicity effects

Toxicity to fish : LC50: > 1,000 mg/l
Exposure time: 96 h
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates : EC50: 350 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Elimination information (persistence and degradability)

Bioaccumulation : Bioaccumulation is unlikely.

Mobility : No data available

Biodegradability : Result: Not readily biodegradable.
Method: OECD Test Guideline 301C

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Further information on ecology

Biochemical Oxygen Demand (BOD) : No data available

13. DISPOSAL CONSIDERATIONS

Product : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

International regulation

ADR

Not regulated as a dangerous good

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Further information for transport

Not classified as dangerous in the meaning of transport regulations.

Domestic regulation

49 CFR

Not regulated as a dangerous good

TDG

Not regulated as a dangerous good

NOM-002-SCT

Not regulated as a dangerous good

15. REGULATORY INFORMATION

Notification status

CH INV : NO. The mixture contains substances listed on the Swiss Inventory
TSCA : YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.
DSL : YES. All components of this product are on the Canadian DSL.
AICS : YES. On the inventory, or in compliance with the inventory
NZIoC : YES. On the inventory, or in compliance with the inventory
ENCS : NO. Not in compliance with the inventory
ISHL : NO. Not in compliance with the inventory

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KECI : YES. On the inventory, or in compliance with the inventory
PICCS : YES. On the inventory, or in compliance with the inventory
IECSC : YES. On the inventory, or in compliance with the inventory

For explanation of abbreviations, see section 16.

OSHA Hazards : Moderate eye irritant

EPCRA - Emergency Planning and Community Right-to-Know

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):
1,2-Dichloroethane 107-06-2

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):
1,2-Dichloroethane 107-06-2

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

1,2-Dichloroethane 107-06-2

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

1,2-Dichloroethane 107-06-2

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

California Prop. 65

WARNING! This product contains a chemical known in the State of California to cause cancer.
1,2-Dichloroethane

16. OTHER INFORMATION

Full text of H-Statements

H302 : Harmful if swallowed.
H319 : Causes serious eye irritation.

Further information

HMIS Classification : Health Hazard: 1
Flammability: 0

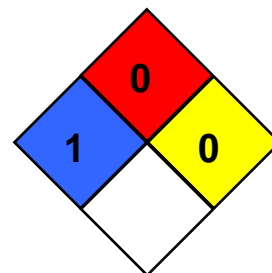
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Physical hazards: 0

NFPA Classification

: Health Hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0



Notification status explanation

| | |
|--------|--|
| REACH | 1907/2006 (EU) |
| CH INV | Switzerland. New notified substances and declared preparations |
| TSCA | United States TSCA Inventory |
| DSL | Canadian Domestic Substances List (DSL) |
| AICS | Australia Inventory of Chemical Substances (AICS) |
| NZIoC | New Zealand. Inventory of Chemical Substances |
| ENCS | Japan. ENCS - Existing and New Chemical Substances Inventory |
| ISHL | Japan. ISHL - Inventory of Chemical Substances (METI) |
| KECI | Korea. Korean Existing Chemicals Inventory (KECI) |
| PICCS | Philippines Inventory of Chemicals and Chemical Substances (PICCS) |
| IECSC | China. Inventory of Existing Chemical Substances in China (IECSC) |

Further information

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The information in this material safety data sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The user must determine the appropriate measures that need to be implemented for the use and handling of this product in the context of the user's operations and use of this product. The information contained herein supersedes all previously issued bulletins on the subject matter covered. If the date on this document is more than three years old, call to make certain that this sheet is current. No warranty is made as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. User must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. Nothing contained herein shall be construed as granting or extending any license under any patent.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.