

# Safety Data Sheet: VOLTZ II

Supersedes Date 04/25/2013

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** VOLTZ II  
**Recommended use** Solvent  
**Information on Manufacturer**  
CHEMSEARCH DIV. OF NCH CORP.  
BOX 152170  
IRVING, TX 75015

**Product Code** 0945  
**Chemical nature** Solvent mixture  
**Emergency Telephone Number**

**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Colorless

**Physical State** Liquid

**Odor** Orange

### GHS

#### Classification

##### Physical Hazards

None

##### Health Hazard

Aspiration Toxicity  
Skin Corrosion/Irritation  
Serious Eye Damage/Eye Irritation  
Respiratory Sensitization  
Skin Sensitization  
Specific target organ systemic toxicity (single exposure)  
Specific target organ systemic toxicity (repeated exposure)

Category 1  
Category 2  
Category 2B  
Category 1  
Category 1  
Category 3  
Category 2

##### Other hazards

None

#### Labeling

##### Signal Word

**DANGER**



##### Hazard Statements

H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H320 - Causes eye irritation  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H336 - May cause drowsiness or dizziness  
H304 - May be fatal if swallowed and enters airways  
H373 - May cause damage to organs through prolonged or repeated exposure

##### Precautionary Statements

P280 - Wear protective gloves, protective clothing and eye protection.  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P363 - Wash contaminated clothing before reuse  
P260 - Do not breathe mist or vapor  
P271 - Use in a well-ventilated area.  
P285 - In case of inadequate ventilation wear respiratory protection  
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water  
P333 - If skin irritation or rash occurs get medical attention.  
P362 - Take off contaminated clothing and wash before reuse  
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 attention.  
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P342 + P311 - If experiencing respiratory symptoms, call a physician  
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P501 - Dispose of contents and container in accordance with applicable regulations.

5 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
1-Tetradecene	1120-36-1	60-100
D-Limonene	5989-27-5	1-5
2-Butyl-1-decene	51655-65-3	1-5
2-Ethyl-1-dodecene	19780-34-8	1-5
2-Hexyl-1-octene	19780-80-4	1-5

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#### 4. FIRST AID MEASURES

<b>General advice</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
<b>Notes to physician</b>	May cause sensitization of susceptible persons. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	> 201 °F / > 94 °C	<b>Method</b>	Seta closed cup
<b>Flammability Limits in Air % Solvent mixture.</b>		<b>Upper 6.1</b>	<b>Lower 0.7</b>
<b>Suitable Extinguishing Media</b>	Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Specific hazards arising from the chemical</b>	Material can create slippery conditions.		
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.		
<b>NFPA</b>	<b>Health 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>
<b>HMIS</b>	<b>Health 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
<b>Neutralizing Agent</b>	Not applicable.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.			
<b>Storage</b>	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
<b>Storage Temperature</b>	<b>Minimum</b>	35 °F / 2 °C	<b>Maximum</b>	120 °F / 49 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Guidelines</b>	
<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin Protection</b>	Wear suitable protective clothing, Impervious gloves.
<b>Respiratory Protection</b>	In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>General Hygiene Considerations</b>	Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Colorless	<b>Odor</b>	Orange
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Transparent
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	0.776
<b>Evaporation Rate</b>	0.01 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	100
<b>VOC Content (%)</b>	100	<b>VOC Photoreactive (Y/N)</b>	Yes
<b>VOC Content (g/L)</b>	776	<b>Vapor Pressure</b>	0.21 mmHg @ 70°F
<b>Vapor Density</b>	4.0 (air = 1)	<b>Solubility</b>	Negligible
<b>n-Octanol/Water Partition</b>	No data available	<b>Melting Point/Range</b>	No data available
<b>Decomposition Temperature</b>	No data available	<b>Boiling Point/Range</b>	463 °F / 239 °C
<b>Flammability (solid, gas)</b>	No data available	<b>Method</b>	Seta closed cup
<b>Flash Point</b>	> 201 °F / > 94 °C		
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	Solvent mixture.	<b>Upper 6.1 Lower 0.7</b>	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	None known
<b>Incompatible Products</b>	Strong oxidizing agents, Acids.
<b>Hazardous Decomposition Products</b>	Carbon oxides
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	No information available
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available

**Principle Route of Exposure** Skin contact, Eye contact.  
**Primary Routes of Entry** Inhalation, Skin Absorption.

**Acute Effects**

<b>Eyes</b>	Causes eye irritation.
<b>Skin</b>	Causes skin irritation. May cause allergic skin reaction.
<b>Inhalation</b>	May cause irritation of respiratory tract. May cause central nervous system depression. Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. May cause allergic respiratory reaction.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

**Chronic Toxicity**

May cause sensitization by skin contact. May cause sensitization by inhalation. Liver and kidney injuries may occur.

**Target Organ Effects**

Liver, Kidney, Central nervous system, Immune system, Lungs.

**Aggravated Medical Conditions**

Liver disorders, Kidney disorders, Neurological disorders, Respiratory system, Skin disorders.

## Component Information

**Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
1-Tetradecene	= 21300 mg/kg ( Rat ) > 10000 mg/kg ( Rat )	= 10000 mg/kg ( Rabbit ) > 10000 mg/kg ( Rabbit ) > 2430 mg/kg ( Rabbit )	no data available	no data available	no data available
D-Limonene	= 4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	no data available	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
D-Limonene	no data available	Skin sensitization, Respiratory sensitization	no data available	no data available	CNS, immune system, lungs, liver, kidneys

**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

## 12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
1-Tetradecene	EC50 22 - 24 mg/L Pseudokirchneriella subcapitata 96 h	LC50 1 - 3.2 mg/L Brachydanio rerio 96 h LC50 10.0 - 32.0 mg/L Poecilia reticulata 96 h LC50 = 0.39 mg/L Oncorhynchus mykiss 96 h LC50 = 1.06 mg/L Pimephales promelas 96 h	EC50 > 10000 mg/L 6 h	LC50 0.68 mg/L Daphnia magna 96 h EC50 0.74 mg/L Daphnia magna 48 h	N/A
D-Limonene	no data available	LC50 0.619 - 0.796 mg/L Pimephales promelas 96 h LC50 = 35 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	N/A

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

## 13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

## 14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

## 15. REGULATORY INFORMATION

Inventories

TSCA

Complies

DSL

Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

## 16. OTHER INFORMATION

Prepared By

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Reason for Revision

No information available.

Glossary

No information available.

List of References.

No information available.

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