

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 Product identifier

**Product name** CAPITAL WELD CLEANER NEUTRALIZER SOLUTION  
**Synonym(s)** WELD CLEANER NEUTRALIZER SOLUTION

### 1.2 Uses and uses advised against

**Use(s)** Acid neutralization of weld cleaning.

### 1.3 Details of the supplier of the product

**Supplier name** CAPITAL WELD CLEANERS  
**Address** 1309 N. Leland Ct, Gilbert, AZ, 85233, UNITED STATES  
**Telephone** +1 480-967-0016  
**Email** [info@capitalweldcleaners.com](mailto:info@capitalweldcleaners.com)  
**Website** [www.capitalweldcleaners.com](http://www.capitalweldcleaners.com)

### 1.4 Emergency telephone number(s)

**Emergency (Chemtrec)** 1-800-424-9300 (US & Canada) +1 703-527-3887 (Outwith US)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS

### 2.2 Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

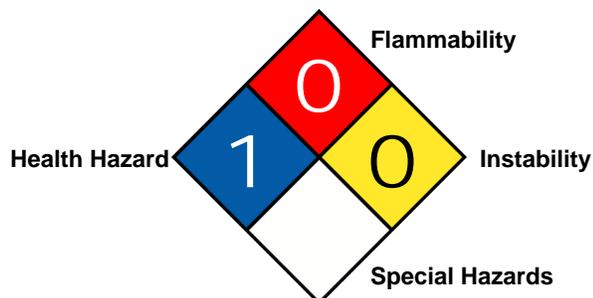
### 2.3 Other hazards

No information provided.

#### HMIS

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	

#### NFPA



### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### 3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Content
D-LIMONENE	5989-27-5	227-813-5	<1%
WATER	7732-18-5	231-791-2	55 to 70%
ALKANOLAMINE(S)	-	-	<10%

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

<b>Eye</b>	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a physician, or for at least 15 minutes.
<b>Inhalation</b>	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a physician.
<b>Ingestion</b>	For advice, contact the Poison Control Centre at 1-800-222-1222 or a physician (at once).
<b>First aid facilities</b>	No information provided.

#### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

#### 4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

Dry agent, carbon dioxide, foam or water fog. Prevent contamination of drains and waterways.

#### 5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons) when heated to decomposition.

#### 5.3 Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

### 6. ACCIDENTAL RELEASE MEASURES

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

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

#### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

#### 6.3 Methods of cleaning up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

#### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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

Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

### 7.3 Specific end use(s)

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

No exposure standards have been entered for this product.

#### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

#### PPE

<b>Eye / Face</b>	Wear splash-proof goggles.
<b>Hands</b>	Wear PVC or rubber gloves.
<b>Body</b>	When using large quantities or where heavy contamination is likely, wear coveralls.
<b>Respiratory</b>	Where an inhalation risk exists, wear a Type A (Organic vapour) respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	CLEAR COLOURLESS LIQUID
<b>Odour</b>	SLIGHT CITRUS ODOUR
<b>Flammability</b>	NON FLAMMABLE
<b>Flash point</b>	NOT RELEVANT
<b>Boiling point</b>	NOT AVAILABLE
<b>Melting point</b>	NOT AVAILABLE
<b>Evaporation rate</b>	AS FOR WATER
<b>pH</b>	11.5
<b>Vapour density</b>	NOT AVAILABLE
<b>Specific gravity</b>	NOT AVAILABLE
<b>Solubility (water)</b>	SOLUBLE
<b>Vapour pressure</b>	NOT AVAILABLE
<b>Upper explosion limit</b>	NOT AVAILABLE
<b>Lower explosion limit</b>	NOT AVAILABLE
<b>Partition coefficient</b>	NOT AVAILABLE
<b>Autoignition temperature</b>	NOT AVAILABLE

**9.1 Information on basic physical and chemical properties**

Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

---

**10. STABILITY AND REACTIVITY**

---

**10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**10.2 Chemical stability**

Stable under recommended conditions of storage.

**10.3 Possibility of hazardous reactions**

Hazardous polymerization is not expected to occur.

**10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), nitrites, heat and ignition sources.

**10.6 Hazardous decomposition products**

May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons) when heated to decomposition.

---

**11. TOXICOLOGICAL INFORMATION**

---

**11.1 Information on toxicological effects**

**Health hazard summary** Irritant. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result in eye, skin and respiratory irritation.

**Eye** Irritant. Contact may result in irritation, lacrimation, pain and redness.

**Inhalation** Irritant. Over exposure to vapors may result in respiratory irritation, nausea, dizziness and headache. Low vapor pressure may reduce the likelihood of inhalation.

**Skin** Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis.

**Ingestion** May be harmful. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain and diarrhoea.

<b>Toxicity data</b>	D-LIMONENE (5989-27-5)	
	LD50 (ingestion)	4400 mg/kg (rat)
	LD50 (intraperitoneal)	600 mg/kg (mouse)
	LD50 (intravenous)	110 mg/kg (rat)
	LD50 (skin)	> 5 gm/kg (rabbit)
	LD50 (subcutaneous)	3170 mg/kg (mouse)
	LDLo (subcutaneous)	30200 mg/kg (rat)
	TDL0 (ingestion)	67 g/kg/39 weeks intermittently (mouse)

---

**12. ECOLOGICAL INFORMATION**

---

**12.1 Toxicity**

No information provided.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Results of PBT and vPvB assessment**

No information provided.

**12.6 Other adverse effects**

No information provided.

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Waste disposal** Disposal requirements are dependent on the hazard classification of the waste produced, as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. The disposal of this material must be conducted in compliance with the relevant parts of 40 CFR 261. Check state and local regulation for any additional requirements, as these may be more restrictive than federal laws and regulation.

**Legislation** Dispose of in accordance with relevant local legislation.

**14. TRANSPORT INFORMATION**

**NOT REGULATED FOR TRANSPORT**

	LAND TRANSPORT (DOT)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
<b>14.1 UN Number</b>	None Allocated	None Allocated	None Allocated
<b>14.2 Proper Shipping Name</b>	None Allocated	None Allocated	None Allocated
<b>14.3 Transport hazard class</b>	None Allocated	None Allocated	None Allocated
<b>14.4 Packing Group</b>	None Allocated	None Allocated	None Allocated

**14.5 Environmental hazards** No information provided

**14.6 Special precautions for user**

**15. REGULATORY INFORMATION**

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

**US EPCRA and CAA Regulatory Information**

The following components are subject to the Emergency Planning and Community Right-to-Know Act (EPCRA) and Section 112(r) of the Clean Air Act (CAA):

None of the components of this product are listed on the SARA/CERCLA/CASA lists.

**Carcinogenicity**

The following components are reported to be carcinogenic:

Ingredient	CAS Number	NTP	IARC	OSHA
D-LIMONENE	5989-27-5		Group 3	

**TSCA**

The following components are not listed on the TSCA Inventory list:

Inventory listing(s) **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
All components are listed on AICS, or are exempt.  
**UNITED STATES: TSCA (US Toxic Substances Control Act)**  
All components are listed on the TSCA inventory, or are exempt.  
**EUROPE: EINECS (European Inventory of Existing Chemical Substances)**  
All components are listed on EINECS, or are exempt.

---

## 16. OTHER INFORMATION

---

### Additional Information

**AMINE: CAUTION: THIS PRODUCT CONTAINS AN AMINE. DO NOT ADD NITRITES or other NITROSATING AGENTS** to this product due to the potential for NITROSAMINE formation. Nitrosamines are potent carcinogens and some have been shown to cause severe acute (heart, brain, blood, liver - kidney) damage as well as chronic effects (reproductive effects, liver - lung and kidney tumours).

**RESPIRATORS:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PRODUCT NAME CAPITAL WELD CLEANER NEUTRALIZER SOLUTION**

<b>Abbreviations</b>	ACGIH	American Conference of Governmental Industrial Hygienists
	CAA	Clean Air Act
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
	EPCRA	Emergency Planning and Community Right-to-Know Act
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m <sup>3</sup>	Milligrams per Cubic Metre
	NTP	U.S. National Toxicology Program
	OEL	Occupational Exposure Limit
	OSHA	Occupational Safety and Health Administration
	PEL	Permissible Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	RCRA	Resource Conservation and Recovery Act
	RQ	Reportable Quantity measured in pounds (304, CERCLA)
	SARA	Superfund Amendments and Reauthorization Act
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	TLV	Threshold Limit Value
	TPQ	Threshold Planning Quantity measured in pounds (302)
	TQ	Threshold Quantity measured in pounds (CAA)
	TWA	Time Weighted Average

**Revision History**

Revision	Description
2.1	Standard SDS Review
2.0	Standard SDS Review
1.0	Initial SDS Creation
0.1	Draft.

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Prepared by**

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au.

**PRODUCT NAME CAPITAL WELD CLEANER NEUTRALIZER SOLUTION**

Prepared in accordance to OSHA Hazard Communication standard, 29 CFR 1920.1200.

**Revision:** 2.1

**SDS date:** 10 February 2015

**[ End of SDS ]**