

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 3/07/2016

Reviewed on 1/1/2025

### \* 1 Identification

- **Product Identifier**
- **Trade name: Renegade Detergent Concentrate - Parts Wash**
- **Relevant identified uses of the substance or mixture and uses advised against:**  
For use in automatic style parts washers
- **Product Description** Detergent Concentrate
- **Application of the substance / the mixture:** For use in manual style parts washers
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
Service Line Inc.  
2320 Zinga Drive  
Reedsburg, WI 53959  
Phone: 608-524-0204  
Fax: 608-524-1446  
www.renegadepartswashers.com
- **Emergency telephone number:** 1-800-228-5635 x054

### \* 2 Hazard(s) Identification

- **Classification of the substance or mixture:**



GHS05 Corrosion

Eye Dam. 1      H318 Causes serious eye damage.



GHS09 Environment

Aquatic Chronic 2   H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2      H315 Causes skin irritation.

Skin Sens. 1      H317 May cause an allergic skin reaction.

Aquatic Acute 2    H401 Toxic to aquatic life.

- **Label elements:**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS05



GHS07



GHS09

- **Signal word:** Danger

- **Hazard-determining components of labeling:**

Tomamine® E-14-5 Surfactant  
d-limonene

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**Trade name: Renegade Detergent Concentrate**

Sulfuric acid, mono-C10-16-alkyl esters, sodium salts

**Hazard statements:**

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H317 May cause an allergic skin reaction.
- H401 Toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P280 Wear protective gloves.
- P280 Wear eye protection / face protection.
- P273 Avoid release to the environment.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- P363 Wash contaminated clothing before reuse.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P391 Collect spillage.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:****NFPA ratings (scale 0 - 4)****HMS-ratings (scale 0 - 4)****Hazard(s) not otherwise classified (HNOC):** None known**\* 3 Composition/Information on Ingredients****Non-hazardous components:**

7732-18-5	Water, distilled water, deionized water	15-35%
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**Chemical characterization: Mixtures****Description:** Mixture: consisting of non-regulated material.**Dangerous Components:**

CAS: 29911-28-2	Glycol Ether DPnB	25-50%
	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	

(Contd. on page 3)

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CAS: 5989-27-5 RTECS: GW 6360000	d-limonene ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Flam. Liq. 4, H227	15-35%
	Tomamine® E-14-5 Surfactant ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	15-35%
CAS: 34398-01-1	Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- surfactant ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2B, H320	2-12%
CAS: 64972-19-6	B-alanine, N-(2-carboxyethyl)-N-[3-(decyloxy)propyl]-, monosodium salt ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	2-12%
CAS: 68585-47-7	Sulfuric acid, mono-C10-16-alkyl esters, sodium salts ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	2-12%
CAS: 68585-34-2	Sodium Lauryl Ether Sulfate ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Eye Irrit. 2A, H319	≤ 2.5%

**\* 4 First-Aid Measures****· Description of first aid measures:****· General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

**· After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.

**· After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
If skin irritation occurs, consult a doctor.

**· After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.**· After swallowing:**

Immediately call a doctor.  
Drink copious amounts of water and provide fresh air. Immediately call a doctor.

**· Information for doctor:****· Most important symptoms and effects, both acute and delayed:** No further relevant information available.**· Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

**\* 5 Fire-Fighting Measures****· Extinguishing media:****· Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**· Special hazards arising from the substance or mixture:** No further relevant information available.**· Advice for firefighters:****· Protective equipment:**

Mouth respiratory protective device.

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

(Contd. on page 4)



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### \* 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.
- **Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

### \* 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**  
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

#### 5989-27-5 d-limonene

TWA Short-term value: 10 mg/m<sup>3</sup>

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing and wash before reuse.  
Wash hands before breaks and at the end of work.  
Avoid contact with the skin.  
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.

(Contd. on page 5)

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**Trade name: Renegade Detergent Concentrate****· Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

**· Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**· Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

**· Eye protection:**

Tightly sealed goggles

### \* 9 Physical and Chemical Properties

**· Information on basic physical and chemical properties****· General Information****· Appearance:****Form:** Liquid**Color:** Light green**· Odor:** Citrus**· Odor threshold:** Not determined.**· pH-value:** 7.2**· Change in condition****Melting point/Melting range:** Not determined.**Boiling point/Boiling range:** Not determined.**· Flash point:** None**· Flammability (solid, gaseous):** Not applicable.**· Ignition temperature:** Not determined**· Decomposition temperature:** Not determined.**· Auto igniting:** Product is not self-igniting.**· Danger of explosion:** Product does not present an explosion hazard.**· Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**· Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)

(Contd. on page 6)

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Issue date 3/07/2016

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- **Density:**
  - Relative density:** Not determined.
  - Vapor density:** Not determined.
  - Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
  - Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 12.7 %
  - Water:** 15.7 %
  - VOC content:** 12.7 %
- **Other information:** No further relevant information available.

**10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**\* 11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**29911-28-2 Glycol Ether DPnB**

Oral LD50 &gt;3700 mg/kg (rat)

Dermal LD50 &gt;2000 mg/kg (rat)

**5989-27-5 d-limonene**

Oral LD50 4400 mg/kg (rat)

Remarks: Behavioral: Change in motor activity (specific assay). Respiratory disorder Skin and Appendages: Other: Hair

Dermal LD50 &gt;5000 mg/kg (rabbit)

**Tomamine® E-14-5 Surfactant**

Oral LD50 1,000-2,000 mg/kg (rat)

**34398-01-1 Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- surfactant**

Oral LD50 1400 mg/kg (rat)

**68585-47-7 Sulfuric acid, mono-C10-16-alkyl esters, sodium salts**

Oral LD50 2,000 mg/kg (rat)

(Contd. on page 7)

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 3/07/2016

Reviewed on 1/1/2025

**Trade name: Renegade Detergent Concentrate**

- **Primary irritant effect:**
- **On the skin:**  
Irritant to skin and mucous membranes.  
May cause an allergic skin reaction.
- **On the eye:**  
Strong irritant with the danger of severe eye injury.  
Causes serious eye irritation.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful  
Irritant
- **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**

5989-27-5 d-limonene

3

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**12 Ecological Information**

- **Toxicity:**
- **Aquatic toxicity:**  
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

**29911-28-2 Glycol Ether DPnB**

EC50 &gt;1000 mg/l (daphnia)

**5989-27-5 d-limonene**

EC50 0.36 mg/l (daphnia) (OECD Test Guideline 202)

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

(Contd. on page 8)

**Safety Data Sheet (SDS)**

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**Trade name: Renegade Detergent Concentrate****13 Disposal Considerations**

- **Waste treatment methods:**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

**\*14 Transport Information**

- **UN-Number:**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

**\*15 Regulatory Information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

<b>Section 355 (extremely hazardous substances):</b>	
None of the ingredients are listed.	

<b>Section 313 (Specific toxic chemical listings):</b>	
None of the ingredients are listed.	

<b>TSCA (Toxic Substances Control Act):</b>	
29911-28-2	Glycol Ether DPnB
5989-27-5	d-limonene
34398-01-1	Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- surfactant
64972-19-6	B-alanine, N-(2-carboxyethyl)-N-[3-(decyloxy)propyl]-, monosodium salt
68585-47-7	Sulfuric acid, mono-C10-16-alkyl esters, sodium salts
68585-34-2	Sodium Lauryl Ether Sulfate
70592-80-2	Amine oxides, C10-16-alkyldimethy
64-17-5	Ethanol
7732-18-5	Water, distilled water, deionized water

<b>California Proposition 65:</b>	
<b>Chemicals known to cause cancer:</b>	
None of the ingredients are listed.	

(Contd. on page 9)

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· <b>Chemicals known to cause reproductive toxicity for females:</b>	
None of the ingredients are listed.	
· <b>Chemicals known to cause reproductive toxicity for males:</b>	
None of the ingredients are listed.	
· <b>Chemicals known to cause developmental toxicity:</b>	
64-17-5	Ethanol
· <b>New Jersey Right-to-Know List:</b>	
64-17-5	Ethanol
· <b>New Jersey Special Hazardous Substance List:</b>	
64-17-5	Ethanol
	CA, MU, TE, F3
· <b>Pennsylvania Special Hazardous Substance List:</b>	
None of the ingredients are listed.	
· <b>Carcinogenic categories:</b>	
· <b>EPA (Environmental Protection Agency):</b>	
None of the ingredients are listed.	
· <b>TLV (Threshold Limit Value established by ACGIH):</b>	
64-17-5	Ethanol
	A3
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>	
None of the ingredients are listed.	

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



GHS05   GHS07   GHS09

· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Tomamine® E-14-5 Surfactant  
d-limonene  
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts

· **Hazard statements:**

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H317 May cause an allergic skin reaction.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements:**

P261                    Avoid breathing dust/fume/gas/mist/vapors/spray.  
P280                    Wear protective gloves.  
P280                    Wear eye protection / face protection.  
P273                    Avoid release to the environment.  
P264                    Wash thoroughly after handling.  
P272                    Contaminated work clothing must not be allowed out of the workplace.



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P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P363	Wash contaminated clothing before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water.
P391	Collect spillage.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**Date of preparation / last revision:** 03/07/2016 / 2

**Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Flam. Liq. 4: Flammable liquids, Hazard Category 4  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A  
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B  
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1  
Aquatic Acute 2: Hazardous to the aquatic environment - AcuteHazard, Category 2  
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

**\* Data compared to the previous version altered.**

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