

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Identification

Product form : Mixture  
 Product name : CITRA CLEAN  
 Product Code : GT12901,05, 55

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Degreaser / Multi-purpose cleaner

#### 1.3. Details of the supplier of the safety data sheet

Gliptone Manufacturing Inc.  
 1740 Julia Goldbach Avenue  
 Ronkonkoma, NY 11779 - United States of America  
 T 1-631-285-7250 - F 1-631-589-5487  
[www.gliptone.com](http://www.gliptone.com)

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300 International: 1-703-527-3887

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

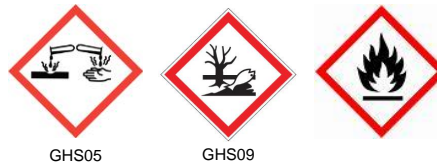
Flam. Liq. 4 H227 - Combustible liquid  
 Skin Irrit. 2 H315 - Causes skin irritation  
 Skin Sens. 1B H317 - May cause an allergic skin reaction  
 Eye Damage 1 H318 - Causes serious eye damage  
 Eye Irrit. 1 H319 - Causes serious eye irritation

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H227 - Combustible liquid  
 H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H318 - Causes serious eye damage  
 H319 - Causes serious eye irritation

Precautionary statements (GHS-US) : P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 P233 - Keep container tightly closed  
 P242 - Use only non-sparking tools  
 P243 - Take precautionary measures against static discharge  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P262 - Do not get in eyes, on skin, or clothing  
 P264 - Wash ... thoroughly after handling  
 P272 - Contaminated work clothing must not be allowed out of the workplace  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P302+P352 - If on skin: Wash with plenty of water/...  
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P305 - 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/doctor.  
 P321 - Specific treatment (see ... on this label)  
 P332+P313 - If skin irritation occurs: Get medical advice/attention  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
 P362+P364 - Take off contaminated clothing and wash it before reuse  
 P363 - Wash contaminated clothing before reuse

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P370+P378 - In case of fire: Use ... to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to ...

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Water		60 -< 80	
Proprietary Emulsifier*	Proprietary*	10 - 20	
N,N-dimethyl 9-decenamide	(CAS no) 1356964-77-6	5 - < 10	
Proprietary Emulsifier*	Proprietary*	5 - 10	
(d)-limonene	(CAS no) 5989-27-5	2.5 - < 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sodium Carbonate	(CAS no) 497-19-8	1 - < 3	

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration. Obtain medical attention.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse immediately with plenty of water (for at least 15 minutes). Obtain medical attention. Wash clothing before re-using.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Obtain medical attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth out with water. Drink two glasses of water. Obtain medical attention. Never give anything by mouth to an unconscious person.

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

- Symptoms/effects, acute and delayed : Symptoms may include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness may result. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. May cause redness and pain.

### 4.3. Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder. Alcohol resistant foam. Carbon dioxide. Water fog.
- Unsuitable extinguishing media : Do not use water jet as extinguisher, as this will spread the fire.

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

- Hazards : Flammable liquid and vapor. Combustible liquid. Keep away from open flames, hot surfaces and sources of ignition. Under fire conditions closed containers may rupture or explode. Vapors may form explosive mixtures with air. Vapors may travel considerable distances to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
- Explosion hazard : Keep away from ignition sources (including static discharges).
- Reactivity : Flammable liquid and vapor.

### 5.3. Advice for firefighters

- Firefighting instructions : In case of fire and/or explosion do not breathe fumes. Move containers away from the fire area if this can be done without risk.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Use chemically protective clothing.
- General fire hazards : Combustion liquid.

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### SECTION 6: Accidental release measures

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

General measures : Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapor or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

#### 6.1.1. For non-emergency personnel

Protective equipment : Use chemically protective clothing.  
Emergency procedures : Ventilate spillage area. NO open flames, NO sparks, and NO smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains or water courses or onto ground.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Large Spills : Take up liquid spill into absorbent material, e.g. sand, earth, vermiculite. Small Spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site. Notify environmental authorities.

#### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from open flames, hot surfaces and sources of ignition. No smoking. Do not get this material in contact with eyes. Avoid breathing mist or vapor. Avoid contact with skin. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Avoid inhalation of vapors. Wash hands immediately after handling the product. Wash clothing before re-using. Avoid release to the environment. Do not empty into drains.

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

Technical measures : Ground/bond container and receiving equipment.  
Storage conditions : Keep away from heat, sparks and open flame. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers. Inspect frequently to identify any sign of warping or leak of the containers.  
Special rules on packaging : Always keep in containers made of the same material as the supply container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Occupational exposure limits : No exposure limits noted for ingredient(s).  
Biological limit values : No biological limits noted for the ingredient(s).  
Appropriate engineering controls : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

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### 8.2. Personal Protection

Hand protection	: Wear appropriate chemical resistant gloves.
Eye protection	: Wear safety glasses with side shields or goggles.
Skin and body protection	: Wear appropriate chemical resistant clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations	: When using do not smoke. 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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	: Clear
Physical state	: Liquid
Color	: Clear
Odor	: Citrus
Odor threshold	: No data available
pH	: 9.5
Melting point/freezing point	: -2.2 °F (-19°C)
Initial boiling point and boiling range	: >200 °F (>93.33°C)
Flash point	: 135.5 °F (57.5 °C)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: 26 cP @ 25C
Other information	: No data available
Density	: 8.55 lbs./gal @25C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

No hazardous decomposition products are known.

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### SECTION 11: Toxicological information

#### 11.1. Information on likely routes of exposure

Inhalation	: No adverse effects due to inhalation are expected.
Skin Contact	: Causes skin irritation. May cause an allergic reaction.
Eye Contact	: Causes serious eye damage.
Ingestion	: Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	: Symptoms may include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness may result. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. May cause redness and pain.

#### 11.1. Information on toxicological effects

Acute toxicity	: May be harmful in contact with skin. May be harmful if swallowed. May cause an allergic skin reaction. Expected to be a low hazard for usual industrial or commercial handling by trained personnel.
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<b>(+)-limonene (5989-27-5)</b>	
LD50 oral rat	4400 mg/kg body weight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Literature study; > 2000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402)
ATE US (oral)	4400.000 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage
Respiratory sensitization	: Not available
Skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	: This product is not considered to be a carcinogenic by IARC, ACGIH, NTP or OSHA.

<b>(+)-limonene (5989-27-5)</b>	
IARC group	3 - Not Classifiable as to carcinogenicity to humans.
US National Toxicology Program on Carcinogens	Not listed
Us osha Specifically Regulated Substances	Not regulated

Reproductive toxicity	: This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecotoxicity	: Toxic to aquatic life with long lasting effects.
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<b>(d)-limonene (Alternate CAS: 8028-48-6) (CAS 5989-27-5)</b>			
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	0.619 – 0.796 mg/l, 96 hours
Crustacea	EC50	Water flea ( <i>Daphnia pulex</i> )	69.6 mg/l, 48 hours

<b>Sodium Carbonate (CAS 497-19-8)</b>			
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	300 mg/l, 96 hours
Crustacea	EC50	Water flea ( <i>Ceriodaphnia dubia</i> )	156.6 – 298.9 mg/l, 48 hours

Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Adsorbs into the soil.
Bioaccumulative potential	Bioaccumulative potential

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### 12.1. Toxicity

Partition coefficient n-octanol / water (log Kow)

<b>(d)-limonene (Alternante CAS: 8028-48-6)</b>	4.232
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Mobility in Soil	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Hazardous waste code	: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions)
Contaminated packaging	: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may retain product residue, follow label warning even after container is emptied.

## SECTION 14: Transport information

### Department of Transportation (DOT)

DOT	: Not regulated as dangerous goods
IATA UN NUMBER	: UN3082
Proper Shipping Name (DOT)	: Environmentally Hazardous Substance, Liquid, N.O.S. ((d)-limonene)
Transport Hazard Class(es)	
Class	: 9
Subsidiary risk	: -
Packing group	: III
Environmental Hazards	: Marine Pollutant
Special precautions for user	: Read safety instructions, SDS and emergency procedures before handling.

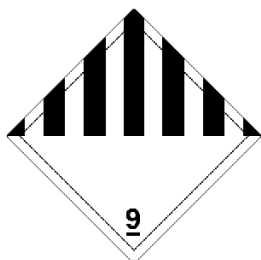
### Transport by sea

UN-No. (IMDG)	: UN3082
Proper Shipping Name (IMDG)	: Environmentally Hazardous Substance, Liquid, N.O.S. ((d)-limonene), MARINE POLLUTANT
Class (IMDG)	: Not applicable
Transport Hazard Class(es)	
Class	: 9
Subsidiary risk	: -
Packing group	: III
Environmental Hazards	
Marine Pollutant	: Yes
EmS	: Not available
Special precautions for user	: Read safety precautions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	: Not Available.

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Marine Pollutant



### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
This substance is subject to a Significant New Activity Notice (SNAC) under the Canadian Environmental Protection Act.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.  
SARA 304 Emergency release notification Not regulated.  
US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

SARA 302 Extremely Hazardous Substance Not listed.

SARA 311/312 Hazardous chemical Yes.

SARA 313 (TRI reporting) Not regulated.

#### Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPS) List Not regulated.  
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.  
Safe Drinking Water Act (SDWA) Not regulated..

#### US State Regulations

US California Controlled Substances CA Dept of Justice (California Health and Safety Code Section 11100) Not listed.  
US Massachusetts RTK – Substance List Not regulated.  
US Pennsylvania Worker and Community Right-to-Know Law Not listed.  
US Rhode Island RTK Not regulated.

#### US California Proposition 65

Warning: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm: ethylene glycol (107-21-1)

Warning: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

US – California Proposition 65 – CRT: Listed date/Developmental toxin  
Methanol (CAS 67-56-1) Listed: March 16, 2012

#### 15.2. International Inventories

Country(s) or region	Inventory name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (ELINCS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No

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### 15.2. International Inventories - continued

Country(s) or region	Inventory name	On Inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemical List (ECL)	No
New Zealand	New Zealand Inventory (NZIoC)	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### SECTION 16: Other information

#### NFPA health hazard

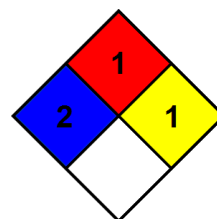
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

#### NFPA fire hazard

: 1 - Materials that require considerable preheating, under all ambient temperatures, before ignition and combustion can occur.

#### NFPA reactivity

: 1 - Material is stable and non-reactive under normal conditions of use, storage and transport. Avoid heat, sparks, open flames and other ignition sources. Avoid contact with strong oxidizing agents.



#### HMIS III Rating

##### Health

: 2 Moderate Hazard - Temporary or minor injury may occur

##### Flammability

: 3 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)

##### Physical

: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*