

Safety Data Sheet

Issue Date 18-Sep-2014

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Version 1.0

1. IDENTIFICATION

Product Identifier

Product Name Citrus Degreaser

Other Means of Identification

Product Code CB3102

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Orange fortified cleaner degreaser. For industrial use.

Details of the Supplier of the Safety Data Sheet

Taylor Labs
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number

Company Phone Number Phone: 1-800-467-6294
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Orange

Physical State Liquid

Odor Citrus

Classification

| | |
|-----------------------------------|---------------------------|
| Serious eye damage/eye irritation | Category 2 Sub-category A |
| Skin sensitization | Category 1 |

Signal Word

Warning

Hazard Statements

Causes serious eye irritation.
May cause an allergic skin reaction.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves and eye/face protection.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Specific Treatment: Remove from exposure and treat symptoms.

Precautionary Statements - Storage

No other specific measures identified.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other Hazards

May be harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-----------------------------------|------------|----------|
| Water | 7732-18-5 | 60-100 |
| Tall Oil Fatty Acid | 61790-12-3 | 1-5 |
| Sodium Metasilicate | 6834-92-0 | 1-5 |
| Mixture of Terpene Hydrocarbons | 5989-27-5 | 1-5 |
| Potassium Hydroxide | 1310-58-3 | 1-5 |
| Sodium Dodecyl Benzene Sulphonate | 25155-30-0 | 1-5 |
| Linear Primary Alcohol Ethoxylate | 68439-46-3 | 1-5 |
| Diethylene Glycol Monobutyl Ether | 112-34-5 | 1-5 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

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| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention/advice if irritation persists. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. |
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| Ingestion | Rinse mouth. Drink plenty of water. Do not induce vomiting. If any discomfort persists, obtain medical attention. |

Most Important Symptoms and Effects

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|-----------------|--|
| Symptoms | May cause painful stinging or burning of eyes and lids, watering of eyes. Prolonged contact may cause skin irritation. May cause an allergic skin reaction in susceptible individuals. |
|-----------------|--|

Indication of any Immediate Medical Attention and Special Treatment Needed

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| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO₂). Dry chemical. Foam.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

None known.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

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| Personal Precautions | Use personal protective equipment as required. |
| Environmental Precautions | Avoid release to the environment. |

Methods and Material for Containment and Cleaning Up

| | |
|--------------------------------|---|
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for Clean-Up | Collect spillage. Collect in a clean, dry waste container for disposal. After cleaning, flush away traces with water. |

7. HANDLING AND STORAGE

Precautions for Safe Handling

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|--------------------------------|---|
| Advice on Safe Handling | Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Observe good industrial hygiene practices. |
|--------------------------------|---|

Conditions for Safe Storage, Including Any Incompatibilities

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| Storage Conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Keep from freezing. |
| Incompatible Materials | Strong acids. Oxidizing agents. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------------------|--|--------------------------|------------|
| Tall Oil Fatty Acid 61790-12-3 | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 5 mg/m ³ | - |
| Sodium Metasilicate 6834-92-0 | 2 mg/m ³ | 2 mg/m ³ | - |

Appropriate Engineering Controls

| | |
|-----------------------------|----------------------|
| Engineering Controls | Ventilation systems. |
|-----------------------------|----------------------|

Individual Protection Measures, such as Personal Protective Equipment

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|---------------------------------|--|
| Eye/Face Protection | Eye protection should be used when splashing may occur. |
| Skin and Body Protection | Wear protective gloves when handling this product. |
| Respiratory Protection | No protection is ordinarily required under normal conditions of use and with adequate ventilation. |

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | | | |
|-----------------------|--------|-----------------------|----------------|
| Physical State | Liquid | Odor | Citrus |
| Appearance | Clear | Odor Threshold | Not determined |
| Color | Orange | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|--------------------|-------------------------|
| pH | > 12.0 | |
| Melting Point/Freezing Point | ~ 0 °C / ~32 °F | |
| Boiling Point/Boiling Range | ~ 100 °C / ~212 °F | |
| Flash Point | Not applicable | Tag Open Cup |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | n/a-liquid | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | 1.02 | |

| | | |
|-------------------------------------|--------------------|-----------------|
| Water Solubility | Completely soluble | @ 25 °C (77 °F) |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children. Keep from freezing. Keep away from excessive heat, sparks, or open flames.

Incompatible Materials

Strong acids. Oxidizers.

Hazardous Decomposition Products

Thermal decomposition may produce oxides of carbon, aldehydes, and flammable hydrocarbon fragments.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

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|---------------------|----------------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | Do not taste or swallow. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---------------------|-----------------------|-----------------|
| Tall Oil Fatty Acid 61790-12-3 | > 10000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | - |
| Sodium Metasilicate 6834-92-0 | = 600 mg/kg (Rat) | - | - |
| Mixture of Terpene Hydrocarbons 5989-27-5 | = 4400 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | - |
| Potassium Hydroxide 1310-58-3 | = 600 mg/kg (Rat) | >2000 mg/kg (Rabbit) | - |
| Sodium Dodecyl Benzene Sulphonate 25155-30-0 | = 438 mg/kg (Rat) | - | - |
| Linear Primary Alcohol Ethoxylate 68439-46-3 | = 1400 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | - |
| Diethylene Glycol Monobutyl Ether 112-34-5 | = 5080 mg/kg (Rat) | = 2764 mg/kg (Rabbit) | - |

Information on Physical, Chemical and Toxicological Effects**Symptoms**

Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**Carcinogenicity**

Not classifiable as a human carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--|-------|---------|-----|------|
| Mixture of Terpene Hydrocarbons 5989-27-5 | | Group 3 | | |

Legend**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|-------------------------------|---|----------------------------|---|
| Tall Oil Fatty Acid 61790-12-3 | = 854.90 mg/L (72hr) algae | > 1000 mg/L (96hr) | - | > 1000 mg/L (48hr) Daphnia magna |
| Sodium Metasilicate 6834-92-0 | - | 210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50 | - | 216: 96 h Daphnia magna mg/L EC50 |
| Mixture of Terpene Hydrocarbons 5989-27-5 | - | 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50 | - | - |
| Potassium Hydroxide 1310-28-3 | - | 80 mg/L 96hr mosquito fish | - | - |
| Sodium Dodecyl Benzene Sulphonate 25155-30-0 | - | 10.8: 96 h Oncorhynchus mykiss mg/L LC50 static | - | - |
| Linear Primary Alcohol Ethoxylate 68439-46-3 | EC50: 0.95mg/L (Algae) | 6mg/L (96hr) Pimephales promelas (Fathead minnow) | - | 2.5mg/L (48hr) Daphnia magna |
| Diethylene Glycol Monobutyl Ether 112-34-5 | - | 2000mg/L (96hr) Silverside minnow | - | - |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined.

Other Adverse Effects

Not determined.

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|--|-----------------------------------|
| Mixture of Terpene Hydrocarbons 5989-27-5 | Toxic |

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations

CERCLA

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|--|--------------------------|----------------|---|
| Potassium Hydroxide 1310-58-3 | 1000lb | - | RQ 1000 lb |
| Sodium Dodecyl Benzene Sulphonate 25155-30-0 | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |

SARA 311/312 Hazard Categories

Acute Health Hazard

Yes

SARA 313

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|-----------------------------------|----------|----------|-------------------------------|
| Diethylene Glycol Monobutyl Ether | 112-34-5 | 1.0-5.0 | - |

CWA (Clean Water Act)

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium Dodecyl Benzene Sulphonate 25155-30-0 | 1000 lb | | | X |

US State Regulations

U.S. State Right-to-Know Regulations

| Chemical Name | State List |
|--|------------|
| Sodium Dodecyl Benzene Sulphonate 25155-30-0 | MA, NJ, PA |

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances

CAP65- California Prop65

FL- Florida Substances List

ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL – Illinois Toxic Air Contaminant- Carcinogenic

MA – Massachusetts Right to Know List

MN – Minnesota Hazardous Substances List

NJ – New Jersey Right to Know List

PA – Pennsylvania Right to Know List

RI – Rhode Island Hazardous Substances List

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| 16. OTHER INFORMATION |
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|--------------------|---|---------------------------------------|--------------------------------------|--|
| <u>NFPA</u> | Health Hazards Not determined | Flammability Not determined | Instability Not determined | Special Hazards Not determined |
| <u>HMIS</u> | Health Hazards 1 | Flammability 0 | Physical Hazards 0 | Personal Protection Not determined |

| | |
|-----------------------|------------------------|
| Issue Date | 18-Sep-2014 |
| Revision Date: | 18-Sep-2014 |
| Revision Note | New format Version 1.0 |

Disclaimer

The information provided in this 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.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet