1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier
Product name
Chemical name
7-7838-2

Other means of identification
Product code
FG 438-5152-9
Synonyms
Dusting aid

Recommended use of the chemical and restrictions on use
Recommended Use
Treatment for dust mops and cleaning towels.
Uses advised against
Do not spray directly on surfaces

Details of the supplier of the safety data sheet
Supplier Address
Chase Products Co.
2727 Gardner Road
Broadview, IL 60155
708-273-1121

Manufacturer Address
Chase Products Co.
2727 Gardner Road
Broadview, IL 60155
708-273-1121

Emergency Telephone Number
Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924
Emergency telephone ChemTel 1-800-255-3924

2. Hazards Identification

Classification
Acute toxicity - Inhalation (Gases)  Category 4
FLAMMABLE AEROSOLS  Category 2
Gases Under Pressure  liquefied gas

Label Elements

EMERGENCY OVERVIEW

Warning

hazard statements
HARMFUL IF INHALED
Flammable Aerosol
Contains gas under pressure; may explode if heated

Appearance  White liquid that will be aerosolized
Physical State  Aerosol
Odor  Lemon

Precautionary Statements - Prevention
Avoid breathing fumes, mist, vapors or spray.
Use only outdoors or in a well-ventilated area
Keep away from heat, sparks, open flames and hot surfaces. — No smoking
Pressurized container: Do not pierce or burn, even after use
Do not spray on an open flame or other ignition source

Precautionary Statements - Response
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell.

Precautionary Statements - Storage
Protect from sunlight. Store in a well-ventilated place
Do not expose to temperatures exceeding 50°C (122 °F)

Hazards not otherwise classified (HNOC)
Other Information
• Harmful to aquatic life with long lasting effects
• Harmful to aquatic life

3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Treatment for dust mops and cleaning towels.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms</td>
<td>Dusting aid.</td>
</tr>
<tr>
<td>Chemical Family</td>
<td>MIXTURES.</td>
</tr>
<tr>
<td>Formula</td>
<td>7-7838-2</td>
</tr>
<tr>
<td>Chemical nature</td>
<td>Oils and water emulsion.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>weight-%</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrotreated Heavy Naphthenic Oil</td>
<td>64742-52-5</td>
<td>10-15</td>
<td>*</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>64742-47-8</td>
<td>5-10</td>
<td>*</td>
</tr>
<tr>
<td>N-Butane</td>
<td>106-97-8</td>
<td>5-10</td>
<td>*</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1-5</td>
<td>*</td>
</tr>
</tbody>
</table>

Chemical Additions
Hazardous components according to OSHA, are listed when present at 1% or greater. Carcinogens are listed when present at 0.1% or greater.

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

Eye Contact
Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact
Wash skin with soap and water.

Inhalation
If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

INGESTION
Ingestion from an aerosol product is unlikely to occur. Contains petroleum distillates. Harmful if swallowed. If accidentally swallowed, do not induce vomiting, call physician immediately.

Most important symptoms and effects, both acute and delayed
Symptoms
Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

Indication of any immediate medical attention and special treatment needed
Note to physicians Contains petroleum distillates, do not induce vomiting because of aspiration pneumonia hazard.

5. Fire-fighting measures

Suitable extinguishing media
Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
This product is an aerosol product for which Flame Projection is less than 18 inches, without flashback. Temperatures above 120 F may cause cans to burst.

Hazardous combustion products Thermal decomposition may release carbon monoxide and carbon dioxide.

Explosion data
Sensitivity to Mechanical Impact Contents under pressure, keep away from heat and open flame.
Sensitivity to Static Discharge Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

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

Personal precautions Use with adequate general or local exhaust ventilation.

For emergency responders Remove all sources of ignition.

Environmental Precautions

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, dry place away from heat and open flame. Keep out of reach of children. AEROSOL STORAGE LEVEL I (NFPA-30B).

Incompatible Materials Avoid heat, open flame and contact with strong oxidizers.
8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines
See occupational exposure limits listed below.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-Butane</td>
<td>STEL: 1000 ppm</td>
<td>(vacated) TWA: 800 ppm</td>
<td>TWA: 800 ppm</td>
</tr>
<tr>
<td>106-97-8</td>
<td>(vacated) TWA: 1900 mg/m³</td>
<td>TWA: 1900 mg/m³</td>
<td>TWA: 1800 mg/m³</td>
</tr>
<tr>
<td>Propane</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>IDLH: 2100 ppm</td>
</tr>
<tr>
<td>74-98-6</td>
<td>TWA: 1800 mg/m³</td>
<td>(vacated) TWA: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 1800 mg/m³</td>
<td>TWA: 1800 mg/m³</td>
<td>TWA: 1800 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering controls
Use with adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face Protection
Conventional eyeglasses to guard against splashing.

Skin and Body Protection
Household type gloves, if desired.

Respiratory protection
None required if used in a well-ventilated area.

General hygiene considerations
Wash hands thoroughly after handling.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Aerosol</td>
<td>Odor Lemon</td>
</tr>
<tr>
<td>Appearance</td>
<td>White liquid that will be aerosolized</td>
<td>Odor threshold No information available</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>10.12 +/- 0.425</td>
<td>Water-oil emulsion.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not applicable</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/bubbling range</td>
<td>Water 212 °F/100 °C</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not Available. This is an aerosol product for which Flame Projection is 18 inches, without flashback. Temperatures above 120 F may cause cans to burst.</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Faster than butyl acetate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Upper flammability limits</td>
<td>Not available</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.956 +/- 0.11 concentrate</td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble in water</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

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Oxidizing properties
No information available

Other Information

Softening point
No information available
Molecular weight
No information available
VOC content (%)
10.0%
Density
7.96 to 8.88 lb/gal
Bulk Density
No information available

10. Stability and Reactivity

Reactivity
Not applicable
Not applicable

Chemical stability
Stable.
Possibility of hazardous reactions
Temperatures above 120 F may cause cans to burst with force.
  hazardous polymerization
  Hazardous polymerization does not occur.

Conditions to Avoid
Temperatures above 120 F.

Incompatible Materials
Avoid heat, open flame and contact with strong oxidizers.

Hazardous decomposition products
Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on likely routes of exposure

Product Information
This product has not been tested as whole. See below for information on ingredients.

  inhalation
  no data available.

  Eye Contact
  no data available.

  Skin contact
  no data available.

  INGESTION
  no data available.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 5.2 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>light 64742-47-8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N-Butane 106-97-8</td>
<td>-</td>
<td>-</td>
<td>= 658 g/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>-</td>
<td>-</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms
Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
None expected.

Serious eye damage/eye irritation
Can cause irritation after contact with the eyes.

corrosivity
Not applicable.

sensitization
No a skin sensitizer.
Germ Cell Mutagenicity  
No information available.  
Not known chronic effects based on available data. None of the ingredients present in excess of 0.1% are listed as carcinogenic by NTP, IARC or OSHA.

Reproductive Toxicity  
No information available.

STOT - single exposure  
No information available.

STOT - repeated exposure  
No information available.

Aspiration Hazard  
Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

Numerical measures of toxicity - Product Information

Unknown acute toxicity  
The following values are calculated based on chapter 3.1 of the GHS document.

| ATEmix (oral) | 19658 mg/kg |
| ATEmix (dermal) | 12765 mg/kg |
| ATEmix (inhalation-gas) | 3108 mg/l |
| ATEmix (inhalation-dust/mist) | 10.8 mg/l |
| ATEmix (inhalation-vapor) | 22.5 mg/l |

12. Ecological Information

This product does not contain marine pollutants.

ecotoxicity

11.495% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrotreated Heavy Naphthenic Oil 64742-52-5</td>
<td>5000: 96 h Oncorhynchus mykiss mg/L LC50</td>
<td></td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light 64742-47-8</td>
<td>45: 96 h Pimephales promelas mg/L LC50 flow-through 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 2.2: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td></td>
<td>4720: 96 h Den-dronereides heteropoda mg/L LC50</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability

No information available.

Bioaccumulation

No information available.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>N-Butane</th>
<th>106-97-8</th>
<th>2.89</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>2.3</td>
<td></td>
</tr>
</tbody>
</table>

Other adverse effects  
No information available

13. Disposal Considerations

Waste treatment methods

Disposal of wastes  
Dispose of in accordance with federal, state and local regulations.

Contaminated packaging  
Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate.
container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

14. Transport Information

DOT
UN/ID no: UN1950
Proper Shipping Name: Limited quantity (LQ)
Hazard Class: 2.1
Marine pollutant: This product does not contain marine pollutants.

15. Regulatory information

International Inventories
TSCA: All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
DSL: All ingredients are listed or are excluded from listing on the DSL.

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US 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 Hazard Categories
- Acute Health Hazard: yes
- Chronic Health Hazard: No
- Fire Hazard: yes
- Sudden release of pressure hazard: No
- Reactive Hazard: No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals
### U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-Butane 106-97-8</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

### U.S. EPA Label information

- **EPA Pesticide registration number**: Not applicable

### 16. Other information

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>1</th>
<th>Flammability</th>
<th>1</th>
<th>Instability</th>
<th>1</th>
<th>Physical and chemical properties</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Health Hazards</td>
<td>1</td>
<td>Flammability</td>
<td>2</td>
<td>Physical Hazards</td>
<td>1</td>
<td>Personal Protection</td>
<td>B - Eyes and hands protection</td>
</tr>
</tbody>
</table>

**Issue date**: 24-Feb-2015

**Revision note**: This SDS supersedes a previous MSDS dated August 14, 2014.

**Disclaimer**: The information provided in this Material 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.

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*End of Safety Data Sheet*