Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
SOUDAL GUN & FOAM CLEANER

Chemical Family
None reported.

Product Use
cleaner.

Restrictions on Use
None known.

Manufacturer Information
SOUDAL ACCUMETRIC
350 Ring Road,
Elizabethtown, KY 42701
Phone: 1-877-873-8739
Emergency Phone #: +1 800 424 9300
E-mail: info@soudalusa.com

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Flammable Aerosols - Category 1
Serious Eye Damage/Eye Irritation - Category 2A
Reproductive Toxicity - Category 2
Specific Target Organ Toxicity - Single Exposure - Category 2 (heart)
Specific Target Organ Toxicity - Single Exposure - Category 3 (respiratory tract, central nervous system)
Specific Target Organ Toxicity - Repeated Exposure - Category 2 (blood)

GHS Label Elements

Symbol(s)

Signal Word
Danger

Hazard Statement(s)
Extremely flammable aerosol
Causes serious eye irritation
Suspected of damaging fertility or the unborn child
May cause damage to organs
May cause respiratory irritation. May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure

Precautionary Statement(s)

Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Keep away from heat/sparks/open flame/hot surfaces - No smoking
Pressurized container: Do not pierce or burn, even after use
Do not spray on an open flame or other ignition sources
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapours/spray
Wash thoroughly after handling
Do not eat, drink or smoke when using this product

Response
IF exposed or concerned: Get medical advice/attention
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell
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

Storage
Store in a well-ventilated place. Keep container tightly closed
Store locked up
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>Acetone</td>
<td>50 - 75</td>
</tr>
<tr>
<td>74-98-6</td>
<td>Propane</td>
<td>10 - 20</td>
</tr>
<tr>
<td>75-28-5</td>
<td>Isobutane</td>
<td>10 - 20</td>
</tr>
</tbody>
</table>
Section 4 - FIRST AID MEASURES

Description of Necessary Measures
IF exposed or concerned: Call a POISON CENTER or doctor/physician.

Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Skin
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor if you feel unwell. If eye irritation persists: Get medical advice/attention.

Ingestion
If a large amount is swallowed, get medical attention.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically and supportively.

Most Important Symptoms/Effects
Acute
Causes serious eye irritation. May cause damage to organs. May cause respiratory irritation. May cause drowsiness or dizziness.

Delayed
Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media
Use carbon dioxide, regular dry chemical, regular foam or water.

Unsuitable Extinguishing Media
None known.

Special Hazards Arising from the Chemical
Extremely flammable aerosol. Pressurized container: may burst if heated. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback. Vapor/air mixtures are explosive. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Hazardous Combustion Products
Oxides of carbon, carbon monoxide
Special Protective Equipment and Precautions for Firefighters
Wear self-contained breathing apparatus with a full facepiece and protective clothing. Avoid inhalation of material or combustion by-products. Move container from fire area if it can be done without risk.

Fire Fighting Measures
Move container from fire area if it can be done without risk. Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. Stay away from the ends of tanks. For fires in cargo or storage area: If this is impossible then take the following precautions: Keep unnecessary people away, isolate hazard area and deny entry. Let the fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For tank, rail car or tank truck: Stop leak if possible without personal risk. Let burn unless leak can be stopped immediately. For smaller tanks or cylinders, extinguish and isolate from other flammables. Evacuation radius: 800 meters (1/2 mile). Do not attempt to extinguish fire unless flow of material can be stopped first. Flood with fine water spray. Cool containers with water spray until well after the fire is out. Apply water from a protected location or from a safe distance. Stay upwind and keep out of low areas. Evacuate if fire gets out of control or containers are directly exposed to fire. 500 meters (1/3 mile). Consider downwind evacuation if material is leaking.

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Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Safe handling: see section 7. See Section 8 for personal protection information. Keep unnecessary people away, isolate hazard area and deny entry. Avoid contact with skin and eyes.

Methods and Materials for Containment and Cleaning Up
Avoid heat, flames, sparks and other sources of ignition. Do not spray on an open flame or other ignition sources. Pressurized container: Do not pierce or burn, even after use. Stop leak if possible without personal risk. Only personnel trained for the hazards of this material should perform clean up and disposal. Use non-sparking tools and equipment.

Environmental Precautions
Do not flush into sanitary sewer systems, drains or surface water. Avoid release to the environment.

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Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flame/hot surfaces - No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition sources. Use only outdoors or in a well-ventilated area. Wear protective eye/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including any Incompatibilities
Store in a well-ventilated place. Keep container tightly closed
Store locked up
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Incompatible Materials
oxidizing materials, bases, combustible materials, strong acids

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
</tr>
<tr>
<td>ACGIH:</td>
<td>500 ppm TWA</td>
</tr>
<tr>
<td></td>
<td>750 ppm STEL</td>
</tr>
<tr>
<td>NIOSH:</td>
<td>250 ppm TWA; 590 mg/m3 TWA</td>
</tr>
<tr>
<td></td>
<td>2500 ppm IDLH (10% LEL)</td>
</tr>
<tr>
<td>Europe:</td>
<td>500 ppm TWA; 1210 mg/m3 TWA</td>
</tr>
<tr>
<td>OSHA (US):</td>
<td>1000 ppm TWA; 2400 mg/m3 TWA</td>
</tr>
<tr>
<td>Mexico:</td>
<td>1000 ppm TWA LMPE-PPT; 2400 mg/m3 TWA LMPE-PPT</td>
</tr>
<tr>
<td></td>
<td>1260 ppm STEL [LMPE-CT]; 3000 mg/m3 STEL [LMPE-CT]</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
</tr>
<tr>
<td>ACGIH:</td>
<td>1000 ppm TWA</td>
</tr>
<tr>
<td>NIOSH:</td>
<td>1000 ppm TWA; 1800 mg/m3 TWA</td>
</tr>
<tr>
<td></td>
<td>2100 ppm IDLH (10% LEL)</td>
</tr>
<tr>
<td>OSHA (US):</td>
<td>1000 ppm TWA; 1800 mg/m3 TWA</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
</tr>
<tr>
<td>ACGIH:</td>
<td>1000 ppm STEL</td>
</tr>
<tr>
<td>NIOSH:</td>
<td>800 ppm TWA; 1900 mg/m3 TWA</td>
</tr>
</tbody>
</table>

Biological limit value
There are no biological limit values for any of this product's components.

Engineering Controls
Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Safety Data Sheet

Material Name: SOUDAL GUN & FOAM CLEANER

Skin Protection
Wear appropriate chemical resistant clothing.

Respiratory Protection
A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Glove Recommendations
Wear appropriate chemical resistant gloves.

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### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical State</td>
<td>aerosol</td>
</tr>
<tr>
<td>Odor</td>
<td>acetone</td>
</tr>
<tr>
<td>Color</td>
<td>colorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>1.5 %</td>
</tr>
<tr>
<td>Decomposition</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>12.5 %</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity (water=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Ethanol ether</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>°C hPa</td>
</tr>
<tr>
<td>Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical Form</td>
<td>aerosol</td>
</tr>
<tr>
<td>OSHA Flammability Class</td>
<td>Extremely flammable aerosol</td>
</tr>
</tbody>
</table>
Section 10 - STABILITY AND REACTIVITY

Reactivity
None known.

Chemical Stability
Stable under normal conditions of use.

Possibility of Hazardous Reactions
Hazardous polymerization will not occur.

Conditions to Avoid
Avoid contact with incompatible materials. Avoid heat, flames, sparks and other sources of ignition.

Incompatible Materials
oxidizing materials, bases, combustible materials, strong acids, halogens

Hazardous decomposition products
oxides of carbon, carbon monoxide

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation
May cause respiratory irritation.

Skin Contact
No information on significant adverse effects.

Eye Contact
Causes serious eye irritation.

Ingestion
No information on significant adverse effects.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and the following selected endpoints are published:
Acetone (67-64-1)
Inhalation LC50Rat 50100 mg/m3 8 h
Propane (74-98-6)
Inhalation LC50Rat 658 mg/L 4 h
Isobutane (75-28-5)
Inhalation LC50Rat 658 mg/L 4 h

Immediate Effects
Causes serious eye irritation. May cause damage to organs. May cause respiratory irritation. May cause drowsiness or dizziness.
Delayed Effects
Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Irritation/Corrosivity Data
Causes serious eye irritation. May cause respiratory irritation.

Respiratory Sensitization
No information available for the product.

Dermal Sensitization
No information available for the product.

Component Carcinogenicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>A4 - Not Classifiable as a Human Carcinogen</td>
</tr>
</tbody>
</table>

Germ Cell Mutagenicity
No information available for the product.

Reproductive Toxicity
Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure
heart, respiratory tract, central nervous system

Specific Target Organ Toxicity - Repeated Exposure
blood

Aspiration hazard
No information available for the product.

Medical Conditions Aggravated by Exposure
respiratory disorders, heart disorders, central nervous system disorders, blood system disorders

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Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Aquatic Toxicity Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
</tr>
<tr>
<td>Fish:</td>
<td>LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L; LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static]; LC50 96 h Lepomis macrochirus 8300 mg/L</td>
</tr>
<tr>
<td>Invertebrate:</td>
<td>EC50 48 h Daphnia magna 10294 - 17704 mg/L [static] EPA; EC50 48 h Daphnia magna 12600 - 12700 mg/L IUCLID</td>
</tr>
</tbody>
</table>

---
Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:
Shipping Name: AEROSOLS
Hazard Class: 2.1
UN/NA #: UN1950
Required Label(s): 2.1

TDG Information:
Shipping Name: AEROSOLS
Hazard Class: 2.1
UN#: UN1950

IATA Information:
Shipping Name: AEROSOLS, FLAMMABLE
Hazard Class: 2.1
UN#: UN1950
Required Label(s): 2.1

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations
This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

CERCLA: 5000 lbfinal RQ; 2270 kgfinal RQ

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: Yes Reactivity: No

U.S. State Regulations
The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Material Name: Soudal Gun & Foam Cleaner

<table>
<thead>
<tr>
<th>Component</th>
<th>US</th>
<th>CA</th>
<th>EU</th>
<th>AU</th>
<th>PH</th>
<th>Acetone (67-64-1)</th>
<th>Propane (74-98-6)</th>
<th>Isobutane (75-28-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>DSL</td>
<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Not listed under California Proposition 65

Canadian WHMIS Ingredient Disclosure List (IDL)
Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

HMIS Rating
Health: 3* Fire: 4 Reactivity: 1
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

NFPA Ratings
Health: 2 Fire: 4 Reactivity: 1
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
Key / Legend
ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of L1sts™ - ChemADVISOR’s Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information
Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse.

Disclaimer:
Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.