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

1.1 Product identifier
92-S
Orange Citrus Cleaner Aerosol

1.2 Relevant identified uses of the substance or mixture and uses advised against
Automotive detailing

1.3 Details of the supplier of the safety data sheet
ITW Evercoat
a division of Illinois Tool Works Inc.
1275 Round Table Drive
Dallas, TX 75247

1.4 Emergency telephone number
CHEM TEL: +1-813-248-0591

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Classified in accordance to (EC) No. 1272/2008
- Flammable Liquid Category 1
- Germ Cell Mutagenicity Category 1B
- Carcinogenicity Category 1A

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

Signal Word
Danger

Hazard Statements
H224 - Extremely flammable liquid and vapour.
H340 - May cause genetic defects..
H350 - May cause cancer.

Precautionary Statements
P201 - Obtain special instructions before use.
P233 - Keep container tightly closed.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P403+P235 - Store in a well-ventilated place. Keep cool.
P240 - Ground/bond container and receiving equipment.

Supplemental Hazard information (EU)  
No data available

2.3 Other hazards  
No data available

SECTION 3 Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>%</th>
<th>CAS #</th>
<th>(EC) No 1272/2008</th>
<th>M Factor</th>
<th>SCL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>1 - 5</td>
<td>106-97-8</td>
<td>Acute Tox. 3; H331 Carc. 1A; H350 Flam. Gas 1; H220 Flam. Liq. 1; H224 Press. Gas (*); H280 Muta. 1B; H340</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

For full text of H-statements; See Section 16

SECTION 4 First aid measures

4.1 Description of first aid measures

Inhalation  
Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately. No data available

Eye Contact  
Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician. No data available

Skin Contact  
Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. No data available

Ingestion  
No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. No data available

Self protection of the first aider  
No data available

4.2 Most important symptoms and effects, both acute and delayed

Symptom  
See Section 4.1
4.3 Indication of any immediate medical attention and special treatment needed

**Note to Doctor**  No additional first aid information available

SECTION 5 Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing media**  Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

**Unsuitable extinguishing media**  No data available

**5.2 Special hazards arising from the substance or mixture**

**Fire and/or Explosion Hazards**  Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

**Hazardous Combustion Products**  Carbon dioxide, Carbon monoxide

**5.3 Advice for firefighters**

**Fire Fighting Methods and Protection**  Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

SECTION 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

**For Non-emergency Personnel**  Non-emergency personnel should be kept clear of the area.

**For emergency responders**  Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

**6.2 Environmental precautions**  No data available

**6.3 Methods and material for**  No special spill clean-up considerations. Collect and discard in
containment and cleaning up regular trash. Ensure clean-up measures are in compliance with OSHA (29 CFR 1910.120).

6.4 Reference to other sections Refer to section 13 for disposal information.

SECTION 7 Handling and storage

7.1 Precautions for safe handling Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment.

7.2 Conditions for safe storage, including any incompatibilities Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition.

7.3 Specific end use(s) Automotive detailing

SECTION 8 Exposure controls/personal protection

Occupational Exposure limit values

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH STEL</th>
<th>IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>800 ppm</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Appropriate engineering controls Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Individual protection measures, such as personal protective equipment

Eye and face protection Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available. None

Skin Protection

Hand protection No information available

Other skin protection Wear protective gloves. Inspect gloves for chemical breakthrough and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Respiratory Protection Respiratory protection will be required when handling this product. Use respirators only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. Wear a NIOSH approved respirator if any exposure is possible. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.
Thermal hazards  No data available

Environmental exposure controls  No data available

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range (°C)</td>
<td>-42</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>-104.4</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Upper Flammable/Explosive Limit, % in air</td>
<td>9.5 %</td>
</tr>
<tr>
<td>Lower Flammable/Explosive Limit, % in air</td>
<td>2.3 %</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>2.36</td>
</tr>
<tr>
<td>Autoignition Temperature (°C)</td>
<td>450</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2 Other information  No data available

SECTION 10 Stability and reactivity

10.1 Reactivity  No data available

10.2 Chemical stability  Stable under normal conditions.

10.3 Possibility of hazardous reactions  No data available

10.4 Conditions to avoid  Elevated temperatures

10.5 Incompatible materials  Oxidizing materials
10.6 Hazardous decomposition products

None Known

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute Toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Based on available data, the classification criteria are not met.

Respiratory or skin sensitization
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Classification has been based on toxicological information of the components in Section 3.

Carcinogenicity
Classification has been based on toxicological information of the components in Section 3.

Reproductive toxicity
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

SECTION 12 Ecological information

12.1 Toxicity
No data available

Ecotoxicity Data

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Aquatic EC50 Crustacea</th>
<th>Aquatic ERC50 Algae</th>
<th>Aquatic LC50 Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative
No data
potential
12.4 Mobility in soil No data available
12.5 Results of PBT and vPvB assessment No data available
12.6 Other adverse effects No data available
12.7 Additional information No data available

SECTION 13 Disposal considerations

13.1 Waste treatment methods
Waste Description for Spent Product
Spent or discarded material is a hazardous waste.
Disposal Methods
Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal Code(s)
(European Waste Catalogue)
W070699

SECTION 14 Transport information

Ground:
14.1 UN number: 1950
14.2 UN proper shipping name: AEROSOLS
14.3 Transport hazard class(es): 2.1
14.4 Packing group: No data available
Exemptions: Limited Quantity

Air:
14.1 UN number: 1950
14.2 UN proper shipping name: AEROSOLS
14.3 Transport hazard class(es): 2.1
14.4 Packing group: No data available
Exemptions: Limited Quantity

Water:
14.1 UN number: 1950
14.2 UN proper shipping name: AEROSOLS
14.3 Transport hazard class(es): 2.1
14.4 Packing group: No data available
Exemptions: Limited Quantity
14.5 Environmental hazards: No
14.6 Special precautions for user: No data available
14.7 Transport in bulk according No data available
to Annex II of MARPOL and the IBC Code:

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EINECS</th>
<th>SVHC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>

15.2 Chemical safety assessment

No data available

SECTION 16 Other information

SDS Abbreviations: No data available

References: No data available

Hazard phrase(s) referenced in section 3
- H220 - Extremely flammable gas.
- H224 - Extremely flammable liquid and vapour.
- H280 - Contains gas under pressure; may explode if heated.
- H331 - Toxic if inhaled.
- H340 - May cause genetic defects..
- H350 - May cause cancer.

Precautionary Statements

Prevention
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground/bond container and receiving equipment.
- P241 - Use explosion-proof electrical/ventilating/lighting equipment.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response
- P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P308+P313 - IF exposed or concerned: Get medical advice/attention.
- P370+P378 - In case of fire: Use for extinction.

Storage
- P233 - Keep container tightly closed.
- P403+P425 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

**Disposal**

P501 - Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.