SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name: Mixture
CAS No.: Mixture
Trade Name: UNDERCOATING IN A CAN
Product Code: N/A

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s): Coating / Rust Prevention
Uses Advised Against: None
Company Identification: Spray Products Corporation
P.O. Box 737
Norristown, PA 19404
Telephone: (610) 277-1010
Fax: (610) 277-4390
E-Mail (competent person): johnd@sprayproducts.com

Emergency telephone number

Emergency Phone No.: Transportation Emergency: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)
Flam. Aerosol 1; Liquefied gas; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; STOT RE 1; Asp. Tox. 1

Label elements

Hazard Symbol

Signal word(s)

Hazard Statement(s)
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Wash hands and exposed skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid contact with skin and eyes. Avoid breathing vapors.
Protect from sunlight and do not expose to temperatures exceeding 50
Other hazards
Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>% wt. *</th>
<th>CAS No.</th>
<th>Hazard classification</th>
</tr>
</thead>
</table>
| Butane                                   | 10 - 20 | 106-97-8 | Flam. Gas 1; H220
|                                          |         |          | Liquefied gas; H280                        |
| Propane                                  | 10 - 20 | 74-98-6  | Flam. Gas 1; H220
|                                          |         |          | Liquefied gas; H280                        |
| Stoddard solvent                         | 6 - 12  | 8052-41-3| Flam. Liq. 3; H226
|                                          |         |          | Skin Irrit. 2; H315
|                                          |         |          | Asp. Tox. 1; H304
|                                          |         |          | STOT SE 3; H336
|                                          |         |          | STOT RE 1; H372
|                                          |         |          | Aquatic Acute 2; H401
|                                          |         |          | Aquatic Chronic 2; H411
| VM&P Naphtha (Naphtha (petroleum), hydrotreated light) * | 5 - 10  | 64742-49-0| Flam. Liq. 2; H225
|                                          |         |          | Asp. Tox. 1; H304
|                                          |         |          | Skin Irrit. 2; H315
|                                          |         |          | STOT SE 3; H336
|                                          |         |          | Aquatic Acute 2; H401
|                                          |         |          | Aquatic Chronic 2; H411
| Acetone                                  | 5 - 10  | 67-64-1  | Flam. Liq. 2; H225
|                                          |         |          | Eye Irrit. 2; H319
|                                          |         |          | STOT SE 3; H336
| Distillates (petroleum), hydrotreated light naphthenic | < 2     | 64742-53-6| Asp. Tox. 1; H304 |
| Octane                                   | < 1     | 106-97-8 | Flam. Liq. 2; H225
|                                          |         |          | Skin Irrit. 2; H315
|                                          |         |          | Asp. Tox. 1; H304
|                                          |         |          | STOT SE 3; H336

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200. May also contain CAS# 68410-97-9 and/or 64742-89-8.

Additional Information Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

Ethylbenzene (CAS No. 100-41-4); < 0.1 %
Toluene (CAS No. 108-88-3); < 0.1 %
Benzene (CAS No. 71-43-2); < 0.1 %
Naphthalene (CAS No. 91-20-3); < 0.1 %

SECTION 4: FIRST AID MEASURES

**Description of first aid measures**

Inhalation
Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention. Get medical advice/attention if you feel unwell.

Skin Contact
Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Take off contaminated clothing and wash it before reuse.
**SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing Media**
- **Suitable Extinguishing Media**: Extinguish with carbon dioxide, dry chemical, foam or water spray.
- **Unsuitable Extinguishing Media**: Do not use water jet.

**Special hazards arising from the substance or mixture**
Pressurised container: May burst if heated

**Advice for fire-fighters**
A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**
Eliminate sources of ignition. Avoid contact with skin and eyes. Avoid breathing vapors.

**Environmental precautions**
Prevent liquid entering sewers, basements and work pits. Avoid release to the environment. Collect spillage.

**Methods and material for containment and cleaning up**
Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

**Reference to other sections**
None

**Additional Information**
None

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**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**
Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Use product in a well-ventilated area only. Avoid contact with skin and eyes. Avoid breathing vapors.

**Conditions for safe storage, including any incompatibilities**
- **Storage temperature**: Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- **Incompatible materials**: This product should be stored away from sources of strong heat or oxidizing chemicals.

**Specific end use(s)**
Coating / Rust Prevention

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Occupational Exposure Limits
## UNDERCOATING IN A CAN

<table>
<thead>
<tr>
<th>SUBSTANCE.</th>
<th>CAS No.</th>
<th>(8hr TWA) PEL (OSHA)</th>
<th>TLV (ACGIH)</th>
<th>(STEL) PEL (OSHA)</th>
<th>TLV (ACGIH)</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>1000 ppm</td>
<td>250 ppm</td>
<td>-----</td>
<td>500 ppm</td>
<td>-----</td>
</tr>
<tr>
<td>Mineral oils / Oil Mist</td>
<td>--------</td>
<td>5 mg/m3</td>
<td>5 mg/m3(*)</td>
<td>-----</td>
<td>-----</td>
<td>(*)Inhalable</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Aspyx.*</td>
<td>-----</td>
<td>-----</td>
<td>#</td>
</tr>
</tbody>
</table>

*Assure minimum oxygen content of work atmosphere.

### Recommended monitoring method
NIOSH 5026 (Oil mist; mineral); NIOSH 1300 (Ketones I); NIOSH 1501 (Hydrocarbons, Aromatic)

### Exposure controls

#### Appropriate engineering controls
Ensure adequate ventilation.

#### Personal protection equipment

**Eye/face protection**
Wear protective eyewear (goggles, face shield, or safety glasses).

**Skin protection (Hand protection/ Other)**
Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber or Butyl rubber). Check with protective equipment manufacturer's data.

**Respiratory protection**
Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

**Thermal hazards**
Not normally required. Use gloves with insulation for thermal protection, when needed.

### Environmental Exposure Controls
Avoid release to the environment.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

- **Appearance**: Aerosol spray
- **Color**: Colorless
- **Odor**: Petroleum spirit / Fuel oil-like
- **Odor Threshold (ppm)**: Not available
- **pH (Value)**: Not available
- **Melting Point (°C) / Freezing Point (°C)**: Not available
- **Boiling point/boiling range (°C)**: Not available
- **Flash Point (°C)**: -104 (Propane)
- **Evaporation Rate**: Not available
- **Flammability (solid, gas)**: Extremely flammable
- **Explosive Limit Ranges**: 2.1% - 9.5% v/v (Propane)
- **Vapor pressure (Pascal)**: ca. 95 x 10^4 (Propane)
- **Vapor Density (Air=1)**: ca. 1.56 @ 0°C (Propane)
- **Density (g/ml)**: Not available
- **Solubility (Water)**: Not available
- **Solubility (Other)**: Not available
- **Partition Coefficient (n-Octanol/water)**: Not available
- **Auto Ignition Point (°C)**: 450 (Propane)
- **Decomposition Temperature (°C)**: Not available
- **Kinematic Viscosity**: <20 cSt
- **Explosive properties**: Not explosive.
UNDERCOATING IN A CAN

Oxidizing properties
Not oxidizing.

Other information
Not available

SECTION 10: STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>Stable under normal conditions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>None anticipated.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Avoid contact with heat and ignition sources.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>This product should be stored away from sources of strong heat or oxidizing chemicals.</td>
</tr>
<tr>
<td>Hazardous decomposition product(s)</td>
<td>Carbon monoxide, Carbon dioxide, Acrid smoke</td>
</tr>
</tbody>
</table>

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects
Hydrotreated Light Distillate (CAS No. 64742-47-8) - By analogy with similar materials:

Acute toxicity (calculated / estimated)
Oral: LD50 >5000 mg/kg-bw
Dermal: LD50 >2000 mg/kg-bw
Inhalation: LC0 ≥5.28 mg/l (Vapor), 4-hr, rat - May cause drowsiness or dizziness.

Irritation/Corrosivity
Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Sensitization
It is not a skin sensitizer.

Repeated dose toxicity
Oral: NOEAL 750 mg/kg
Dermal: NOEAL 0.5 ml/kg bw
Inhalation: NOAEL ≥1000 mg/m3

Carcinogenicity
It is unlikely to present a carcinogenic hazard to man.

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
</table>

Mutagenicity
Not to be expected

Reproductive toxicity
Not to be expected

Propane (CAS# 74-98-6):

Acute toxicity
Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)

Irritation/Corrosivity
No evidence of irritant effects from normal handling and use.

Sensitisation
It is not a skin sensitiser.

Repeated dose toxicity
NOAEC: ≥19678 mg/m3 (28-day, rat, Systemic effects)
LOAEC: 21641 mg/m3 (28-day, rat, effects: Body weight)

Carcinogenicity
No data. It is unlikely to present a carcinogenic hazard to man.

Mutagenicity
There is no evidence of mutagenic potential.

Reproductive toxicity
None anticipated

Acetone (CAS No. 67-64-1)

Acute toxicity
Oral LD50 = 5800 mg/kg (rat)
Dermal LD50 >15800 mg/kg (rabbit)
Inhalation LC50 76 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.

Irritation / Corrosivity
Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

Sensitisation
It is not a skin sensitisier.
Repeated dose toxicity
Oral NOAEL = 900 mg/kg/day (rat) (90-days)
Inhalation NOAEL ≥ 19,000 ppm (rat)

Carcinogenicity
It is unlikely to present a carcinogenic hazard to man.

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
</table>

Mutagenicity
Negative

Toxicity for reproduction
Negative

Other information
None known.

Naphtha (petroleum) hydrotreated light (CAS No. 64742-49-0) - By analogy with similar materials:

Acute toxicity (calculated / estimated)
Oral: LD50 >5000 mg/kg-bw
Dermal: LD50 >2000 mg/kg-bw
Inhalation: LC0 ≥7.6 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.

Irritation/Corrosivity
Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Sensitization
It is not a skin sensitizer.

Repeated dose toxicity
Dermal: NOEAL >2000 mg/kg bw (systemic effects)
Inhalation: NOAEC = 1.4 mg/l (Vapor)

Carcinogenicity
It is unlikely to present a carcinogenic hazard to man.

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
</table>

Mutagenicity
Not to be expected

Reproductive toxicity
Not to be expected.

Other information
Contains: Benzene (CAS No. 71-43-2) A1: Confirmed Human Carcinogen:
The agent is carcinogenic to humans based on the weight of evidence from epidemiological studies; Ethylbenzene (CAS# 100-41-4) A3 - Confirmed Animal Carcinogen with unknown relevance to humans (ACGIH®). IARC Group 2B - Possibly carcinogenic to humans; Toluene (CAS No. 108-88-3)
Suspected of damaging the unborn child. NOAEC: 2.8 mg/liter (rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Naphtha (petroleum) hydrotreated light (CAS No. 64742-49-0) - By analogy with similar materials:

Short term
LL50 (96 hour): 8.2 mg/L (fish)
EL50 (48 hour): 4.5 mg/L (crustacea)
EL50 (72 hour): 3.1 mg/L (algae)

Long Term
NOELR (21 days): 2.6 mg/L (crustacea; reproduction)
NOELR (72 hour): 0.5 mg/L (algae; growth rate)

Stoddard solvent (CAS# 8052-41-3) - By analogy with similar materials:

Short term
LL50 (96 hour): 8.2 mg/L (Pimephales promelas)
EL50 (48 hour): 4.5 mg/l (Daphnia magna)
EL50 (72 hour): 3.1 mg/l (Pseudokirchneriella subcapitata)

Long Term
EL50 (21 days): 10 mg/l (Daphnia magna)
EL50 (72 hour): 3.1 mg/l (Pseudokirchneriella subcapitata)

Persistence and degradability
Biodegradable

Bioaccumulative potential
The product has no potential for bioaccumulation.

Mobility in soil
Not available.

Results of PBT and vPvB assessment
Not classified as PBT or vPvB.

Other adverse effects
None known.
SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>U.S. DOT</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>1950</td>
<td>1950</td>
<td>1950</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Aerosols, flammable</td>
<td>Aerosols, flammable</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>2.1</td>
<td>2.1</td>
<td>2.1</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>None assigned</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>None assigned</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:
TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.
Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>RQ (Pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>5 - 10</td>
<td>5000</td>
</tr>
</tbody>
</table>

SARA 311/312 - Hazard Categories:
- ☑ Fire
- ☑ Sudden Release
- ☑ Reactivity
- ☑ Immediate (acute)
- ☑ Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>-----</td>
<td>----</td>
</tr>
</tbody>
</table>

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>TPQ (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>-----</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

California Proposition 65 List:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Type of Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylbenzene *</td>
<td>100-41-4</td>
<td>Cancer</td>
</tr>
<tr>
<td>Benzene *</td>
<td>71-43-2</td>
<td>Cancer</td>
</tr>
<tr>
<td>Toluene *</td>
<td>108-88-3</td>
<td>Developmental</td>
</tr>
<tr>
<td>Naphthalene *</td>
<td>91-20-3</td>
<td>Reproductive</td>
</tr>
</tbody>
</table>

* Trace

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.
Date of preparation: July 3, 2015
Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)
- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapour.
- H226: Flammable liquid and vapour.
- H280: Contains gas under pressure; may explode if heated.
- H304: May be fatal if swallowed and enters airways.
UNDERCOATING IN A CAN

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.

Training advice: None.

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