SAFETY DATA SHEET

in accordance with 1907/2006/EC (REACH, as amended by 453/2010/EC) and 29 CFR 1910.1200

Revision date: 15 September 2015  Initial date of issue: 6 July 2007  SDS No. 131A-21

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
740 Heavy Duty Rust Guard (Aerosol)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Coats and protects metal like a paint with minimum surface preparation but is easily removable. Heavy Duty Rust Guard can be used for the protection of metal, tools, fixtures, parts-in-process, equipment, tanks, structures, machinery, tubing, castings, rod, bar and sheet stock. Effective to 80°C (175°F).

1.3. Details of the supplier of the safety data sheet
Company: A.W. CHESTERTON COMPANY
860 Salem Street
Groveland, MA 01834-1507, USA
Tel.: +1 978-469-6446  Fax: +1 978-469-6785
(Mon. - Fri. 8:30 - 5:00 PM EST)
SDS requests: www.chesterton.com
E-mail (SDS questions): ProductMSDSs@chesterton.com
E-mail: customer.service@chesterton.com

1.4. Emergency telephone number
24 hours per day, 7 days per week
Call Infotrac: 1-800-535-5053
Outside N. America: +1 352-323-3500 (collect)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Aerosol 1, H222, H229
Eye Irrit. 2, H319
Skin Irrit. 2, H315
STOT SE 3, H336
STOT RE, H372D
Aquatic Chronic 2, H411

2.1.2. Classification according to WHMIS 1988
B5: Flammable aerosols; D2B: Toxic materials causing other effects

2.1.3. Australian statement of hazardous nature
Hazardous according to criteria of Safe Work Australia.

2.1.4. Additional information
For full text of H-statements: see SECTIONS 2.2 and 16.

2.2. Label elements
Hazard pictograms:

Signal word: Danger
Product: 740 Heavy Duty Rust Guard (Aerosol)

Date: 15 September 2015

Hazard statements:
- H222 Extremely flammable aerosol.
- H229 Pressurized container: May burst if heated.
- H319 Causes serious eye irritation.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to the central nervous system through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P260 Do not breathe vapours.
- P280 Wear protective gloves and eye/face protection.
- P314 Get medical advice/attention if you feel unwell.
- P410/412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Supplemental information:
None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>Hazardous Ingredients¹</th>
<th>% Wt.</th>
<th>CAS No./ EC No.</th>
<th>REACH Reg. No.</th>
<th>CLP/GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>3-7</td>
<td>64742-47-8/265-149-8</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

For full text of H-statements: see SECTION 16.
*Contains less than 0.1 % w/w Benzene. **Contains less than 0.1 % w/w 1,3-Butadiene.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.

Skin contact: Wash skin with soap and water. Contact physician if irritation persists.

Eye contact: Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

Ingestion: Do not induce vomiting. Contact physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Direct contact causes eye and skin irritation. High vapor concentrations may irritate eyes, respiratory tract and possibly cause dizziness, nausea and other central nervous system effects. Causes damage to the central nervous system through prolonged or repeated exposure. Prolonged or repeated skin contact may defat the skin and cause skin irritation.

4.3. Indication of any immediate medical attention and special treatment needed

If ingestion and vomiting occurs, monitor patient for 48 hours for breathing difficulties.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon Dioxide, dry chemical or foam

Unsuitable extinguishing media: Water

5.2. Special hazards arising from the substance or mixture

Pressurized containers, when heated, are a potential explosive hazard.

5.3. Advice for firefighters

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

Flammability Classification: NFPA: Level 3 Aerosol; 16 CFR 1500.3: Extremely flammable aerosol

HAZCHEM Emergency Action Code: 3 Y

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Provide adequate ventilation. Utilize exposure controls and personal protection as specified in Section 8.

6.2. Environmental Precautions

Keep out of sewers, streams and waterways.

6.3. Methods and material for containment and cleaning up

Contain spill to a small area. Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

6.4. Reference to other sections

Refer to section 13 for disposal advice.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No Smoking. Avoid eating, drinking or smoking in the work area. Utilize exposure controls and personal protection as specified in Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Do not pierce or burn, even after use.

7.3. Specific end use(s)

No special precautions.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

**Occupational exposure limit values**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>OSHA PEL¹ ppm</th>
<th>ACGIH TLV² ppm</th>
<th>UK WEL³ ppm</th>
<th>AUSTRALIA ES⁴ ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>500</td>
<td>100</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>--</td>
<td>212*</td>
<td>1200*</td>
<td>--</td>
</tr>
<tr>
<td>Petroleum gases, liquefied, sweetened</td>
<td>1000</td>
<td>--</td>
<td>1000</td>
<td>--</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>500</td>
<td>179*</td>
<td>1200</td>
<td>--</td>
</tr>
</tbody>
</table>

¹ United States Occupational Health & Safety Administration permissible exposure limits.
² American Conference of Governmental Industrial Hygienists threshold limit values.
³ EH40 Workplace exposure limits, Health & Safety Executive
⁴ Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

*Based on the procedure described in appendix H, "Reciprocal calculation method for Certain Refined Hydrocarbon Solvent Vapor Mixtures" of the ACGIH TLVs® and BEIs®.

8.2. Exposure controls

8.2.1. Engineering measures

Good general mechanical ventilation. If exposure limits are exceeded, provide adequate explosion-proof ventilation.

8.2.2. Individual protection measures

**Respiratory protection:** Not normally needed. If exposure limits are exceeded, use a half or full-face respirator with combined dust/organic vapour filter (e.g., EN filter type A-P). Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

**Protective gloves:** Chemical resistant gloves (e.g. neoprene, nitrile).

Naphtha (petroleum), hydrotreated light:

<table>
<thead>
<tr>
<th>Contact type</th>
<th>Glove material</th>
<th>Layer thickness</th>
<th>Breakthrough time*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full</td>
<td>Nitrile rubber</td>
<td>0.40 mm</td>
<td>&gt; 480 min.</td>
</tr>
<tr>
<td>Splash</td>
<td>Nitrile rubber</td>
<td>0.11 mm</td>
<td>&gt; 30 min.</td>
</tr>
</tbody>
</table>

* Determined according to EN374 standard.

**Eye and face protection:** Safety goggles or face shield.

**Other:** None

8.2.3. Environmental exposure controls

Refer to sections 6 and 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Colour</th>
<th>Initial boiling point</th>
<th>Melting point</th>
<th>% Volatile (by volume)</th>
<th>Flash point</th>
<th>Method</th>
<th>Viscosity</th>
<th>Autoignition temperature</th>
<th>Decomposition temperature</th>
<th>Upper/lower flammability or explosive limits</th>
<th>Explosive properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>moderate viscosity liquid</td>
<td>brown</td>
<td>98°C (209°F), product only</td>
<td>not applicable</td>
<td>71%, product only</td>
<td>-8°C (18°F), product only</td>
<td>Tag Closed Cup</td>
<td>not determined</td>
<td>not determined</td>
<td>not determined</td>
<td>LEL: 1.1%; UEL: 9.0%</td>
<td>not applicable</td>
</tr>
<tr>
<td>Odour</td>
<td>Odour threshold</td>
<td>Vapour pressure @ 20°C</td>
<td>% Aromatics by weight</td>
<td>pH</td>
<td>Relative density</td>
<td>Weight per volume</td>
<td>Coefficient (water/oil)</td>
<td>Vapour density (air=1)</td>
<td>Rate of evaporation (ether=1)</td>
<td>Solubility in water</td>
<td>Oxidising properties</td>
</tr>
<tr>
<td>mild petroleum distillate odor</td>
<td>not determined</td>
<td>not determined</td>
<td>not determined</td>
<td>not applicable</td>
<td>0.79 kg/l</td>
<td>6.6 lbs/gal.</td>
<td>&lt; 1</td>
<td>&gt; 1</td>
<td>&lt; 1</td>
<td>insoluble</td>
<td>not determined</td>
</tr>
</tbody>
</table>

9.2. Other information
None

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Refer to sections 10.3 and 10.5.

10.2. Chemical stability
Stable

10.3. Possibility of hazardous reactions
No dangerous reactions known under conditions of normal use.

10.4. Conditions to avoid
Open flames and high temperatures.

10.5. Incompatible materials
Strong oxidizers like liquid Chlorine and concentrated Oxygen, Potassium Nitrate.

10.6. Hazardous decomposition products
Carbon Monoxide, Carbon Dioxide and other toxic fumes (by combustion).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Primary route of exposure under normal use:
Inhalation, skin and eye contact. Personnel with pre-existing bronchial or lung conditions are generally aggravated by exposure.

Acute toxicity -
Oral:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>LD50, rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>LD50, rabbit</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated</td>
<td>LD50 oral, rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

Dermal:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>LD50, rabbit</td>
<td>&gt; 3000 mg/kg</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>LD50, rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated</td>
<td>LD50, rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

Inhalation:
High vapor concentrations may irritate eyes, respiratory tract and possibly cause dizziness, nausea and other central nervous system effects.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoddard solvent</td>
<td>LC50, rat, 4 h</td>
<td>&gt; 5.5 mg/l</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>LC50, rat, 4 h</td>
<td>&gt; 5.6 mg/l</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated</td>
<td>LC50, rat, 4 h</td>
<td>&gt; 5.28 mg/l</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation:
Causes skin irritation.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>Skin irritation, rabbit</td>
<td>Irritating</td>
</tr>
</tbody>
</table>

Serious eye damage/irritation:
Causes serious eye irritation.
Respiratory or skin sensitisation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated light</td>
<td>Skin sensitization, guinea pig</td>
<td>Not sensitizing</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>Skin sensitization, guinea pig</td>
<td>Not sensitizing</td>
</tr>
</tbody>
</table>

Germ cell mutagenicity: Naphtha (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated light: based on available data, the classification criteria are not met.

Carcinogenicity: As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or Regulation (EC) No 1272/2008.

Reproductive toxicity: Naphtha (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated light: based on available data, the classification criteria are not met.

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: Causes damage to the central nervous system through prolonged or repeated exposure (Stoddard solvent). Naphtha (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated light: based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met (kinematic viscosity at 40°C > 20.5 mm²/s).

Other information: None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

**12.1. Toxicity**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**12.2. Persistence and degradability**

Hazardous ingredients, vapor phase: degradation is expected in the atmospheric environment within days to weeks. Stoddard solvent, Distillates (petroleum), hydrotreated light: inherently biodegradable. Naphtha (petroleum), hydrotreated light: expected to be readily biodegradable.

**12.3. Bioaccumulative potential**

Naphtha (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated light: Octanol/water partition coefficient (log Kow) 2.1 – 5 (estimated). Petroleum gas: bioconcentration in aquatic organisms is not expected to be significant.

**12.4. Mobility in soil**

Liquid. Insoluble in water. In determining environmental mobility, consider the product’s physical and chemical properties (see Section 9). The hazardous ingredients will rapidly evaporate to the air if released into the environment.

**12.5. Results of PBT and vPvB assessment**

Not available

**12.6. Other adverse effects**

None known

SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

Incinerate absorbed material and/or containers with a properly licensed facility. This product is classified as a hazardous waste according to 2008/98/EC. Check local, state and national/federal regulations and comply with the most stringent requirement.

**European List of Wastes code:** 15 01 10

SECTION 14: TRANSPORT INFORMATION

**14.1. UN number**

ADR/RID/ADN/IMDG/ICAO: UN1950
TDG: UN1950
US DOT: UN1950

**14.2. UN proper shipping name**

ICAO: Aerosols, Flammable
**Product:** 740 Heavy Duty Rust Guard (Aerosol)

**Date:** 15 September 2015  
**SDS No.:** 131A-21

<table>
<thead>
<tr>
<th>IMDG:</th>
<th>Aerosols</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR/RID/ADN:</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>TDG:</td>
<td>Aerosols, flammable</td>
</tr>
<tr>
<td>US DOT:</td>
<td>Aerosols, flammable</td>
</tr>
</tbody>
</table>

### 14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>ADR/RID/ADN/IMDG/ICAO:</th>
<th>2.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG:</td>
<td>2.1</td>
</tr>
<tr>
<td>US DOT:</td>
<td>2.1</td>
</tr>
</tbody>
</table>

### 14.4. Packing group

<table>
<thead>
<tr>
<th>ADR/RID/ADN/IMDG/ICAO:</th>
<th>NOT APPLICABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG:</td>
<td>NOT APPLICABLE</td>
</tr>
<tr>
<td>US DOT:</td>
<td>NOT APPLICABLE</td>
</tr>
</tbody>
</table>

### 14.5. Environmental hazards

NO ENVIRONMENTAL HAZARDS

### 14.6. Special precautions for user

NO SPECIAL PRECAUTIONS FOR USER

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

NOT APPLICABLE

### 14.8. Other information

- **US DOT:** Shipped as Consumer Commodity ORM-D in packaging having a rated capacity gross weight of 66 lb. or less (49 CFR 173.306(i)). ERG NO. 126
- **IMDG:** EmS. F-D, S-U, Shipped as Limited Quantity
- **ADR:** Classification code 5F, Tunnel restriction code (E), Shipped as Limited Quantity

### SECTION 15: REGULATORY INFORMATION

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

**15.1.1. EU regulations**

- **Authorisations under Title VII:** Not applicable
- **Restrictions under Title VIII:** None

**15.1.2. National regulations**

**US EPA SARA TITLE III**

<table>
<thead>
<tr>
<th>312 Hazards:</th>
<th>313 Chemicals:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire</td>
<td>None</td>
</tr>
<tr>
<td>Immediate</td>
<td></td>
</tr>
<tr>
<td>Delayed</td>
<td></td>
</tr>
<tr>
<td>Pressure Release</td>
<td></td>
</tr>
</tbody>
</table>

**Other national regulations:** National implementations of the EC Directives referred to in section 15.1.1.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE: Acute Toxicity Estimate
BCF: Bioconcentration Factor
CLP: Classification Labelling Packaging Regulation (1272/2008/EC)
ES: Exposure Standard
GHS: Globally Harmonized System
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods
LC50: Lethal Concentration to 50 % of a test population
LD50: Lethal Dose to 50% of a test population
LOEL: Lowest Observed Effect Level
N/A: Not Applicable
NA: Not Available
NOAEL: No Observed Adverse Effect Level
NOEL: No Observed Effect Level
OECD: Organization for Economic Co-operation and Development
PBT: Persistent, Bioaccumulative and Toxic substance
(Q)SAR: Quantitative Structure-Activity Relationship
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
STOT RE: Specific Target Organ Toxicity, Repeated Exposure
STOT SE: Specific Target Organ Toxicity, Single Exposure
TDG: Transportation of Dangerous Goods (Canada)
US DOT: United States Department of Transportation
vPvB: very Persistent and very Bioaccumulative substance
WEL: Workplace Exposure Limit
WHMIS: Workplace Hazardous Materials Information System
Other abbreviations and acronyms can be looked up at www.wikipedia.org.

Key literature references and sources for data:

Commission de la santé et de la sécurité du travail (CSST)
Chemical Classification and Information Database (CCID)
European Chemicals Agency (ECHA) - Information on Chemicals
Hazardous Substances Information System (HSIS)
National Institute of Technology and Evaluation (NITE)
Swedish Chemicals Agency (KEMI)
U.S. National Library of Medicine Toxicology Data Network (TOXNET)

Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP] / GHS:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Aerosol 1, H222</td>
<td>On basis of components</td>
</tr>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Skin Irrit. 2, H315</td>
<td>Calculation method</td>
</tr>
<tr>
<td>STOT SE 3, H336</td>
<td>Bridging principle &quot;Dilution&quot;</td>
</tr>
<tr>
<td>STOT RE 1, H372</td>
<td>Bridging principle &quot;Dilution&quot;</td>
</tr>
<tr>
<td>Aquatic Chronic 2, H411</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

Relevant H-statements:

EUH066: Repeated exposure may cause skin dryness or cracking.
H220: Extremely flammable gas.
H222: Extremely flammable aerosol.
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H372D: Causes damage to the central nervous system through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.

Hazard pictogram names:

Flame, exclamation mark, health hazard, environment

Changes to the SDS in this revision:

Sections 2.1, 2.2, 3, 4.2, 8.1, 9.1, 11, 15.1.2, 16
**Revision date:** 15 September 2015  
**Further information:** None

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user’s particular purpose. The user must make their own determination as to suitability.