



## SAFETY DATA SHEET

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

Revision date: 29 May 2015

Initial date of issue: 6 July 2007

SDS No. 131B-21

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

#### 1.1. Product identifier

740 Heavy Duty Rust Guard (Bulk)

#### 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](http://www.chesterton.com)  
E-mail (SDS questions): [ProductMSDSs@chesterton.com](mailto:ProductMSDSs@chesterton.com)  
E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)

##### Supplier:

#### 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

##### 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 3, H226  
Eye Irrit. 2, H319  
Skin Irrit. 2, H315  
STOT RE 1, H372D  
Aquatic Chronic 2, H411

##### 2.1.2. Classification according to Directives 1999/45/EC and 1975/324/EEC

R10  
Irritant; Xi; R36/38  
Dangerous for the environment; N; R51/53

##### 2.1.3. Classification according to 29 CFR 1910.1200 / WHMIS 2015

Flam. Liq. 3, H226  
Eye Irrit. 2, H319  
Skin Irrit. 2, H315  
STOT RE 1, H372D  
Repr. 2, H361d  
Aquatic Chronic 2, H411

##### 2.1.4. Classification according to WHMIS 1988

B3: Combustible liquids; D2B: Toxic materials causing other effects

##### 2.1.5. Australian statement of hazardous nature

Hazardous according to criteria of Safe Work Australia.

##### 2.1.6. Additional information

For full text of H-statements and R-phrases: see SECTIONS 2.2 and 16.

**2.2. Label elements****2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]****Hazard pictograms:****Signal word:**

Danger

**Hazard statements:**

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 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.  
 P260 Do not breathe vapours.  
 P233 Keep container tightly closed.  
 P280B Wear protective gloves and eye/face protection.  
 P314 Get medical advice/attention if you feel unwell.  
 P370/378A In case of fire: Use CO<sub>2</sub>, dry chemical or foam to extinguish.

**Supplemental information:** None**2.2.2. Labelling according to 29 CFR 1910.1200 / WHMIS 2015****Hazard pictograms:****Signal word:**

Danger

**Hazard statements:**

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H372 Causes damage to the central nervous system through prolonged or repeated exposure.  
 H411 Toxic to aquatic life with long lasting effects.  
 H361 Suspected of damaging the unborn child.

**Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 Keep container tightly closed.  
 P273 Avoid release to the environment.  
 P280B Wear protective gloves and eye/face protection.  
 P337/313 If eye irritation persists: Get medical advice/attention.  
 P370/378A In case of fire: Use CO<sub>2</sub>, dry chemical or foam to extinguish.  
 P403/235 Store in a well-ventilated place. Keep cool.

**Supplemental information:** None**2.3. Other hazards**

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

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	Classification (CLP/GHS)	Classification (67/548/EEC)
Stoddard solvent*	40-50	8052-41-3 232-489-3	NA	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT RE 1, H372D Aquatic Chronic 2, H411	R10 Xn; R65 Xi; R36/38 N; R51/53

Distillates (petroleum), hydrotreated light	5-10	64742-47-8 265-149-8	NA	Flam. Liq. 3, H226 Asp. Tox. 1, H304 EUH066 STOT SE 3, H336 Aquatic Chronic 2, H411	R10 Xn; R65 R66 N; R51/53
2-(2-Methoxyethoxy)ethanol	0.1-0.99	111-77-3 203-906-6	NA	Repr. 2, H361d	Repr. Cat. 3; R63

Indications of danger acc. to 67/548/EEC: Xn: Harmful; Xi: Irritant; N: Dangerous for the environment  
For full text of H-statements and R-phrases: see SECTION 16.

\*Contains less than 0.1 % w/w Benzene.

<sup>1</sup> Classified according to: \* 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F), California Proposition 65  
\* 1272/2008/EC, 67/548/EEC, 99/45/EC, REACH  
\* WHMIS 2015  
\* Safe Work Australia [NOHSC: 1008 (2004)]

#### 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. Remove contaminated clothing immediately. Contact physician if irritation persists. Launder contaminated clothing before reuse, discard contaminated shoes.

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

**Ingestion:** Do not induce vomiting. If conscious, give two glasses of water to drink. 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. Prolonged or repeated skin contact may defat the skin and cause skin irritation. Reports have associated repeated or prolonged occupational overexposure to all solvents with permanent brain and nervous system damage.

##### 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

Combustion products may be toxic. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Containers may rupture on heating.

##### 5.3. Advice for firefighters

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

**Flammability Classification:** –

**HAZCHEM Emergency Action Code:** 3 **Z**

#### 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

Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water. Contain spill to a small area. 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**

Keep away from sources of ignition - No smoking. Avoid breathing mist or vapor. Avoid eating, drinking or smoking in the work area. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, dry and well-ventilated area.

**7.3. Specific end use(s)**

No special precautions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limit values**

Ingredients	OSHA PEL <sup>1</sup>		ACGIH TLV <sup>2</sup>		UK WEL <sup>3</sup>		AUSTRALIA ES <sup>4</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Stoddard solvent	500	2900	100	—	—	—	—	790
Distillates (petroleum), hydrotreated light	500	—	212*	1200*	—	—	—	—
2-(2-Methoxyethoxy)ethanol	—	—	—	—	10	50.1 (skin)	—	—
Oil mist, mineral	—	5	(inhal)	5	—	—	—	5

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

<sup>1</sup> United States Occupational Health & Safety Administration permissible exposure limits.

<sup>2</sup> American Conference of Governmental Industrial Hygienists threshold limit values.

<sup>3</sup> EH40 Workplace exposure limits, Health & Safety Executive

<sup>4</sup> Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

**8.2. Exposure controls****8.2.1. Engineering measures**

Use only in well-ventilated areas. If exposure limit is 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).

**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**

<b>Physical state</b>	moderate viscosity liquid	<b>Odour</b>	solvent odor
<b>Colour</b>	brown	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	150°C (302°F)	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	not determined	<b>% Aromatics by weight</b>	4.7%
<b>% Volatile (by volume)</b>	56%	<b>pH</b>	not applicable
<b>Flash point</b>	46°C (114°F)	<b>Relative density</b>	0.902 kg/l
<b>Method</b>	PM Closed Cup	<b>Weight per volume</b>	7.5 lbs/gal.
<b>Viscosity</b>	100-1000 cps @ 25°C	<b>Coefficient (water/oil)</b>	< 1
<b>Autoignition temperature</b>	not determined	<b>Vapour density (air=1)</b>	> 1
<b>Decomposition temperature</b>	not determined	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Upper/lower flammability or explosive limits</b>	not determined	<b>Solubility in water</b>	insoluble
<b>Flammability (solid, gas)</b>	not applicable	<b>Oxidising properties</b>	not determined
<b>Explosive properties</b>	not determined		

**9.2. Other information**

Kinematic viscosity at 40°C: 69.2 cSt.

**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 red hot surfaces.

**10.5. Incompatible materials**

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Carbon Monoxide, Carbon Dioxide, aldehydes 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.**Acute toxicity -****Oral:**

Substance	Test	Result
Stoddard solvent	LD50, rat	> 5000 mg/kg
Distillates (petroleum), hydrotreated light	LD50, rat	> 5000 mg/kg
2-(2-Methoxyethoxy)ethanol	LD50, mouse	8222 mg/kg

**Dermal:**

Substance	Test	Result
Stoddard solvent	LD50, rabbit	> 3000 mg/kg
Distillates (petroleum), hydrotreated light	LD50, rabbit	> 2000 mg/kg
2-(2-Methoxyethoxy)ethanol	LD50, rat	ca. 6450 mg/kg

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

Substance	Test	Result
Stoddard solvent	LC50, rat, 4 h	> 5.5 mg/l
Distillates (petroleum), hydrotreated light	LC50, rat, 4 h	> 5.28 mg/l
2-(2-Methoxyethoxy)ethanol	LC0, rat, 6 h	> 1.2 mg/l

**Skin corrosion/irritation:** Causes skin irritation. Based on data from similar materials.

**Serious eye damage/irritation:** Causes serious eye irritation. Based on data from similar materials.

**Respiratory or skin sensitisation:**

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Skin sensitization, guinea pig	Not sensitizing
2-(2-Methoxyethoxy)ethanol	Skin sensitization, guinea pig	Not sensitizing

**Germ cell mutagenicity:** Distillates (petroleum), hydrotreated light, 2-(2-Methoxyethoxy)ethanol: 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:** Distillates (petroleum), hydrotreated light: based on available data, the classification criteria are not met. 2-(2-Methoxyethoxy)ethanol: Suspected of damaging the unborn child.

**STOT-single exposure:** Distillates (petroleum), hydrotreated light: May cause drowsiness or dizziness. 2-(2-Methoxyethoxy)ethanol: based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Reports have associated repeated or prolonged occupational overexposure to all solvents with permanent brain and nervous system damage. 2-(2-Methoxyethoxy)ethanol: based on available data, the classification criteria are not met.

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

**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

Stoddard solvent, Distillates (petroleum), hydrotreated light, vapor phase: degradation is expected in the atmospheric environment within days to weeks; inherently biodegradable. 2-(2-Methoxyethoxy)ethanol: readily biodegradable.

### 12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated light: Octanol/water partition coefficient (log Kow). 2.1 – 5, estimated 2-(2-Methoxyethoxy)ethanol: not expected to bioaccumulate.

### 12.4. Mobility in soil

Liquid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Stoddard solvent, Distillates (petroleum), hydrotreated light: will rapidly evaporate to the air if released into the environment. 2-(2-Methoxyethoxy)ethanol: expected to have very high mobility in soils.

### 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 or landfill absorbed material with a properly licensed facility. Old or spent material must meet appropriate treatment standards for ignitable waste. 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: 08 04 09

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

ADR/RID/ADN/IMDG/ICAO: UN1268

TDG: UN1268

US DOT: UN1268

**14.2. UN proper shipping name**

ADR/RID/ADN/IMDG/ICAO: PETROLEUM DISTILLATES, N.O.S. (MINERAL SPIRITS)

TDG: PETROLEUM DISTILLATES, N.O.S. (MINERAL SPIRITS)

US DOT: PETROLEUM DISTILLATES, N.O.S. (MINERAL SPIRITS)

**14.3. Transport hazard class(es)**

ADR/RID/ADN/IMDG/ICAO: 3

TDG: 3

US DOT: 3

**14.4. Packing group**

ADR/RID/ADN/IMDG/ICAO: III

TDG: III

US DOT: III

**14.5. Environmental hazards**

MARINE POLLUTANT

**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: ERG NO. 128

IMDG: EmS F-E, S-E

ADR: Classification code F1 , Tunnel restriction code (D/E)

**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

Other EU regulations: Directive 96/82/EC on the control of major-accident hazards involving dangerous substances (Petroleum products, qualifying quantities: 2 500 t, 25 000 t).

**15.1.2. National regulations**

**US EPA SARA TITLE III**

312 Hazards: 313 Chemicals:

Fire None

Immediate

Delayed

**Hazardous Materials Identification System (HMIS)**

4 = Severe Hazard  
 3 = Serious Hazard  
 2 = Moderate Hazard  
 1 = Slight Hazard  
 0 = Minimal Hazard  
 \* = See Section 8

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>PHYSICAL HAZARD</b>	<b>1</b>
<b>Personal Protection</b>	<b>*</b>

Other national regulations: None

**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: Specific Target Organ Toxicity  
 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](http://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:**

Classification	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Eye Irrit. 2, H319	Calculation method
Skin Irrit. 2, H315	Calculation method
STR 1, H372D	Bridging principle "Dilution"
Aquatic Chronic 2, H411	Calculation method

**Relevant H-statements:** EUH066: May cause drowsiness or dizziness.  
 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.  
 H361d: Suspected of damaging the unborn child.  
 H372d: H372d  
 H411: Toxic to aquatic life with long lasting effects.

**Relevant R-phrases:** R10: Flammable.  
 R36/38: Irritating to eyes and skin.  
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R63: Possible risk of harm to the unborn child.  
 R65: Harmful: may cause lung damage if swallowed.  
 R66: Repeated exposure may cause skin dryness or cracking.

**Hazard pictogram names:** Flame, exclamation mark, health hazard, environment



**Changes to the SDS in this revision:** Sections 2.1, 2.2, 3, 9, 11, 16.

**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.