

**SAFETY DATA SHEET**

in accordance with 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

**Revision date:** 20 April 2021      **Date of previous issue:** 24 September 2020      **SDS No.** 131B-23

**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): [ProductSDSs@chesterton.com](mailto:ProductSDSs@chesterton.com)  
E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)

**Supplier:**

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,  
Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055

**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)  
NSW Poisons Information Centre (Australia): 13 11 26

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**2.1.1. Classification according to 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS**

Flammable liquid, Category 3, H226  
Skin irritation 3, Category 3, H316  
Specific target organ toxicity – single exposure, Category 3, H336  
Reproductive toxicity, Category 2, H361

**2.1.2. Australian statement of hazardous nature**

Hazardous according to criteria of Safe Work Australia.

**2.1.3. Additional information**

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

**2.2. Label elements**

**Labeling according to 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS**

**Hazard pictograms:**



**Signal word:**

Danger

<b>Hazard statements:</b>	H226	Flammable liquid and vapour.
	H316	Causes mild skin irritation.
	H336	May cause drowsiness or dizziness.
	H361	Suspected of damaging fertility or the unborn child.
<b>Precautionary statements:</b>	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233	Keep container tightly closed.
	P240	Ground and bond container and receiving equipment.
	P241	Use explosion-proof electrical/ventilating/lighting equipment.
	P242	Use non-sparking tools.
	P243	Take action to prevent static discharges.
	P261	Avoid breathing vapours.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves and eye/face protection.
	P303/361/353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	P304/340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P308/313	IF exposed or concerned: Get medical advice/attention.
	P370/378	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.
	P405	Store locked up.
	P501	Dispose of contents/container to an approved waste disposal plant.
<b>Supplemental information:</b>	None	

**2.3. Other hazards**

None known

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

<b>Hazardous Ingredients<sup>1</sup></b>	<b>% Wt.</b>	<b>CAS No.</b>
Naphtha (petroleum), hydrotreated heavy or Distillates (petroleum), hydrotreated light Mineral oil*	52 - 62	64742-48-9 or 64742-47-8
	0.9 - 5	64742-54-7 or 64742-65-0 or 64742-55-8 or 64742-56-9
2-(2-Methoxyethoxy)ethanol (Synonym: Diethylene glycol monomethyl ether)	0.9 - < 1	111-77-3

<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)  
• WHMIS 2015, Safe Work Australia, GHS

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

<b>Inhalation:</b>	Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.
<b>Skin contact:</b>	Wash skin with soap and water. Remove contaminated clothing immediately. Consult physician if irritation develops. Launder contaminated clothing before reuse, discard contaminated shoes.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult physician if irritation develops.
<b>Ingestion:</b>	Rinse mouth with water. Do not induce vomiting. Contact physician immediately.
<b>Protection of first-aiders:</b>	No action shall be taken involving any personal risk or without suitable training. In case of insufficient ventilation, wear suitable respiratory equipment. See section 8.2.2 for recommendations on personal protective equipment.

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

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.

**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 jets

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

Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide and other products of incomplete combustion. Containers may rupture on heating. Vapors are heavier than air and may travel along the ground to a distant ignition source and flash back.

**5.3. Advice for firefighters**

Recommend Firefighters wear self-contained breathing apparatus.

**Australian 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 and bond container and receiving equipment. Use non-sparking tools. Take action to prevent static discharges.

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

Keep container tightly closed. 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>		AUSTRALIA ES <sup>3</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Naphtha (petroleum), hydrotreated heavy	N/A	N/A	197 *	1200 *	N/A	N/A
Oil mist, mineral	N/A	5	(inhal.)	5	N/A	5
2-(2-Methoxyethoxy)ethanol	N/A	N/A	N/A	N/A	N/A	N/A

\*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> Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

### Biological limit values

No biological exposure limits noted for the ingredient(s).

## 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>	100-1,000 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, heat, sparks and red hot surfaces.

### 10.5. Incompatible materials

Strong acids/bases and strong oxidizers like liquid Chlorine and concentrated Oxygen. Amines.

### 10.6. Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide, aldehydes and other toxic fumes.

**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:**

Based on available data on components, the classification criteria are not met. Ingestion may result in gastrointestinal irritation, nausea, vomiting and diarrhea.

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy/Distillates (petroleum), hydrotreated light	LD50, rat	> 5,000 mg/kg
2-(2-Methoxyethoxy)ethanol	LD50, mouse	7,128 mg/kg

**Dermal:**

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

Substance	Test	Result
Naphtha (petroleum), hydrotreated heavy/Distillates (petroleum), hydrotreated light	LD50, rabbit	> 2,000 mg/kg
2-(2-Methoxyethoxy)ethanol	LD50, rabbit	9,404 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
Naphtha (petroleum), hydrotreated heavy/Distillates (petroleum), hydrotreated light	LC50, rat, 4 h	> 5 mg/l
2-(2-Methoxyethoxy)ethanol	LC0, rat, 6 h	> 1.2 mg/l (vapor, maximum attainable concentration)

**Skin corrosion/irritation:**

Prolonged or repeated skin contact may defat the skin and cause skin irritation.

**Serious eye damage/irritation:**

Not classified

**Respiratory or skin sensitisation:**

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

**Germ cell mutagenicity:**

Naphtha (petroleum), hydrotreated heavy/Distillates (petroleum), hydrotreated light, 2-(2-Methoxyethoxy)ethanol: based on available data, the classification criteria are not met.

**Carcinogenicity:**

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 the European Chemicals Agency (ECHA).

**Reproductive toxicity:**

Naphtha (petroleum), hydrotreated heavy/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:**

Naphtha (petroleum), hydrotreated heavy/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**

Not expected to be harmful to aquatic organisms. Not expected to demonstrate chronic toxicity to aquatic organisms.

**12.2. Persistence and degradability**

Naphtha (petroleum), hydrotreated heavy/Distillates (petroleum), hydrotreated light, vapor phase: degradation is expected in the atmospheric environment within days to weeks; OECD 301F, 28 days - 80%, readily biodegradable. 2-(2-Methoxyethoxy)ethanol: readily biodegradable. Mineral oil: CO2 Evolution Test (OECD 301B) 28 days - 31%.

**12.3. Bioaccumulative potential**

Naphtha (petroleum), hydrotreated heavy/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). Naphtha (petroleum), hydrotreated heavy/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. 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. Check local, state and national/federal regulations and comply with the most stringent requirement.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number or ID number**

**ADG/ADR/RID/ADN/IMDG/ICAO:** UN1268  
**TDG:** UN1268  
**US DOT:** UN1268

**14.2. UN proper shipping name**

**ADG/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)**

**ADG/ADR/RID/ADN/IMDG/ICAO:** 3  
**TDG:** 3  
**US DOT:** 3

**14.4. Packing group**

**ADG/ADR/RID/ADN/IMDG/ICAO:** III  
**TDG:** III  
**US DOT:** III

**14.5. Environmental hazards**

NO

**14.6. Special precautions for user**

NO SPECIAL PRECAUTIONS FOR USER

**14.7. Maritime transport in bulk according to IMO instruments**

NOT APPLICABLE

**14.8. Other information**

**US DOT:** ERG NO. 128  
**May be shipped as Limited Quantities in packaging having a rated capacity gross weight of 66 lb. or less and in inner packages not over 5 Liters (49 CFR 173.150(b,3)).**  
**IMDG:** EmS F-E, S-E  
**ADR:** Classification code F1 , Tunnel restriction code (D/E)  
**ADG HAZCHEM CODE:** •3Y **HIN:** 30

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. National regulations****US EPA SARA TITLE III****312 Hazards:****Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:**

Flammable liquid	Glycol Ethers	111-77-3	0.9 - < 1
Specific target organ toxicity – single exposure			
Reproductive toxicity			

**Other national regulations:** None**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms:** ADG: Australian Dangerous Goods Code  
 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  
 cATpE: Converted Acute Toxicity point Estimate  
 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  
 NOEC: No Observed Effect Concentration  
 NOEL: No Observed Effect Level  
 OECD: Organization for Economic Co-operation and Development  
 (Q)SAR: Quantitative Structure-Activity Relationship  
 REL: Recommended Exposure Limit  
 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)  
 TWA: Time Weighted Average  
 US DOT: United States Department of Transportation  
 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 des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)  
 Chemical Classification and Information Database (CCID)  
 European Chemicals Agency (ECHA) - Information on Chemicals  
 Hazardous Chemical Information System (HCIS)  
 National Institute of Technology and Evaluation (NITE)  
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to GHS:**

Classification	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 3, H316	Calculation method
STOT SE 3, H336	Bridging principle "Dilution"
Repr. 2, H361	Bridging principle "Dilution"

**Relevant H-statements:** H226: Flammable liquid and vapour.  
 H304: May be fatal if swallowed and enters airways.  
 H316: Causes mild skin irritation.  
 H336: May cause drowsiness or dizziness.  
 H361: Suspected of damaging fertility or the unborn child.

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

**Further information:** None

**Date of last revision:** 20 April 2021

**Changes to the SDS in this revision:** Sections 1.3, 2.1, 2.2, 3, 4.1, 4.2, 5.2, 7.2, 8.1, 10.4, 10.5, 10.6, 11, 12.1, 12.2, 12.4, 13, 14.5, 14.8, 15.1, 16.

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.