

according to Regulation (EC) No 1907/2006

# 740(E) Heavy Duty Rust Guard (Bulk)

Revision date: 28.04.2023

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

#### 1.1. Product identifier

740(E) Heavy Duty Rust Guard (Bulk)

## 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

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).

#### Uses advised against

No information available.

## 1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	D-85737 Ismaning GERMANY	
Telephone:	+49 89 99 65 46 - 0	Telefax: +49 89 99 65 46 - 50
e-mail:	eu-sds@chesterton.com	
Contact person:	eu-sds@chesterton.com	Telephone: +49 89 99 65 46 - 0
e-mail:	eu-sds@chesterton.com	
Internet:	www.chesterton.com	
Responsible Department:	eu-sds@chesterton.com	
1.4. Emergency telephone	+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)	

number:

SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008 Flam. Liq. 3; H226 STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

## Regulation (EC) No 1272/2008

Hazard components for labelling Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, < 2% aromatics Signal word: Warning

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UFI: 0XV4-SXT0-Q0SS-E0P4



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### **Pictograms:**



#### **Hazard statements**

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.

## Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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 dust/fume/gas/mist/vapours/spray.
P312	Call a POISON CENTER/doctor if you feel unwell.
P370+P378	In case of fire: Use extinguishing powder or sand to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to an appropriate recycling or disposal facility.
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## Special labelling of certain mixtures

Repeated exposure may cause skin dryness or cracking.

## 2.3. Other hazards

EUH066

No information available.

## **SECTION 3: Composition/information on ingredients**

## 3.2. Mixtures

### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No	1272/2008)		
64742-48-9	B-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, < 2% aromatics		S	80 - < 85 %
	919-857-5		01-2119463258-33	
	Flam. Liq. 3, STOT SE 3, Asp. Tox.	1; H226 H336 H304 EUH066		
64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics			5 - < 10 %
	926-141-6		01-2119456620-43	
	Asp. Tox. 1; H304			

Full text of H and EUH statements: see section 16.

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Specific Cor	nc. Limits, M-fac	tors and ATE				
CAS No	EC No Chemical name					
	Specific Conc.	Limits, M-factors and ATE				
64742-48-9	919-857-5	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, < 2% aromatics	80 - < 85 %			
	inhalation: LC mg/kg	50 = > 4,96 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000				
64742-47-8	926-141-6	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	5 - < 10 %			
	inhalation: LC: mg/kg	50 = > 5,28 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000				

#### **Further Information**

No information available.

## **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

### **General information**

Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

Remove person to fresh air and keep comfortable for breathing.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

## After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let 1 glass of water be drunken in little sips (dilution effect).

#### Do NOT induce vomiting.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

#### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

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## Suitable extinguishing media

- alcohol resistant foam
- Water spray jet
- Carbon dioxide (CO2)
- Dry extinguishing powder

#### Unsuitable extinguishing media

Full water jet

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

In case of fire may be liberated:

- Nitrogen oxides (NOx),
- Carbon dioxide (CO2),
- Carbon monoxide

#### 5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings. In case of fire: Wear self-contained breathing apparatus.

Special protective equipment for firefighters: Protective clothing.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Dispose of waste according to applicable legislation.

Use water spray jet to protect personnel and to cool endangered containers.

## **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

### General advice

Provide adequate ventilation. Safe handling: see section 7 Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

## 6.3. Methods and material for containment and cleaning up

#### For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

## **SECTION 7: Handling and storage**

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## 7.1. Precautions for safe handling

#### Advice on safe handling

Personal protection equipment: see section 8

## Advice on protection against fire and explosion

Take precautionary measures against static discharges.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Advice on general occupational hygiene

Avoid contact with skin, eyes and clothes. Use protective skin cream before handling the product. Remove contaminated, saturated clothing immediately. When using do not eat, drink, smoke, sniff. Wash hands and face before breaks and after work and take a shower if necessary.

#### Further information on handling

Wash hands before breaks and after work. Only wear fitting, comfortable and clean protective clothing. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

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

#### Requirements for storage rooms and vessels

Store in a cool dry place. Keep container tightly closed. Keep/Store only in original container. Protect from direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Hints on joint storage

Keep away from: Oxidising agent

Keep away from food, drink and animal feedingstuffs.

#### Further information on storage conditions

Protect against: Frost

### 7.3. Specific end use(s)

No information available.

#### **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters



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#### **DNEL/DMEL** values

CAS No	Substance		-	
DNEL type	DNEL type		Effect	Value
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, <	2% aromatics		
Consumer DN	EL, long-term	inhalation	systemic	185 mg/m³
Consumer DN	EL, long-term	dermal	systemic	46 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	46 mg/kg bw/day
Worker DNEL,	long-term	inhalation	systemic	871 mg/m³
Worker DNEL,	long-term	dermal	systemic	77 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	1286,4 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	837,5 mg/m³
Worker DNEL,	acute	inhalation	local	1066,67 mg/m <sup>3</sup>
Consumer DN	EL, acute	inhalation	systemic	1152 mg/m <sup>3</sup>
Consumer DN	EL, long-term	inhalation	local	178,57 mg/m³
Consumer DN	EL, acute	inhalation	local	640 mg/m³
3				

## 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Take action to prevent static discharges.

## Individual protection measures, such as personal protective equipment

#### Eye/face protection

Suitable eye protection:

- goggles

#### Hand protection

Tested protective gloves must be worn: EN ISO 374

NBR (Nitrile rubber),

Wearing time with permanent contact: Thickness of the glove material: >= 0,4 mm, Breakthrough time: >480 min

Wearing time with occasional contact (splashes): Thickness of the glove material: >= 0,1 mm, Breakthrough time: > 30 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

## Skin protection

Wear anti-static footwear and clothing

#### **Respiratory protection**

Usually no personal respirative protection necessary. Wear breathing apparatus if exposed to vapours/dusts/aerosols.





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Filtering device (full mask or mouthpiece) with filter: ABEK-P2

Thermal hazards

No data available

**Environmental exposure controls** 

No special measures are necessary.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state: Colour:	Liquid transparent brown	
Odour:	like: Petroleum	
Melting point/freezing point:	ike. i euoleum	No data available
Boiling point or initial boiling point and	1	No data available
boiling range:		
Flammability		
Solid/liquid:		No data available
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		> 42 °C
Auto-ignition temperature:		297 °C
Decomposition temperature:		not determined
pH-Value:		not applicable
Water solubility:		practically insoluble
Solubility in other solvents		
No information available.		
Partition coefficient n-octanol/water:		<1
Vapour pressure:		No data available
Density (at 20 °C):		0,86 g/cm <sup>3</sup>
Relative vapour density:		No data available
9.2. Other information		
Information with regard to physical	hazard classes	
Explosive properties		
No information available.		
Self-ignition temperature		
Solid:		No data available
Gas:		No data available
Oxidizing properties No information available.		
Other safety characteristics		
Evaporation rate:		No data available
Solid content:		~52
Sublimation point:		No data available
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Softening point: Pour point: Viscosity / dynamic: (at 25 °C)

## **Further Information**

No information available.

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

## 10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

## 10.3. Possibility of hazardous reactions

This material is considered to be non-reactive under normal use conditions.

#### 10.4. Conditions to avoid

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

#### 10.5. Incompatible materials

- Strong acid,
- Strong alkali,
- Oxidising agent

## 10.6. Hazardous decomposition products

- Nitrogen oxides (NOx),
- Carbon dioxide (CO2),
- Carbon monoxide

## **SECTION 11: Toxicological information**

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

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

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No data available 6 °C 100 - 1000 mPa⋅s



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CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
64742-48-9	Hydrocarbons, C9-C11, r	n-alkanes, isoa	alkanes, cy	clenes, < 2% aromatics		
	oral	LD50 mg/kg	> 5000	Rat	Study report (1988)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1989)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 mg/l	> 4,96	Rat	Study report (1992)	OECD Guideline 403
64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics					
	oral	LD50 mg/kg	> 5000	Rat	Study report (1992)	EPA OTS 798.1175
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1992)	EPA OTS 798.1100
	inhalation (4 h) vapour	LC50 mg/l	> 5,28	Rat	Study report (1987)	OECD Guideline 403

### Irritation and corrosivity

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

## Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, < 2% aromatics)

#### STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

### Aspiration hazard

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

#### 11.2. Information on other hazards

#### **Endocrine disrupting properties**

No data available

#### **SECTION 12: Ecological information**

#### 12.1. Toxicity

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



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CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
64742-48-9	Hydrocarbons, C9-C11, n	-alkanes, is	oalkanes, cy	clenes, <	2% aromatics		
	Acute fish toxicity	LL50 mg/l	> 100	96 h	Danio rerio	REACh Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Raphidocelis subcapitata	REACh Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EL50 mg/l	> 100	48 h	Daphnia magna	REACh Registration Dossier	OECD Guideline 202
	Fish toxicity	NOEC mg/l	0,131	28 d	Oncorhynchus mykiss	Company report (2010)	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC mg/l	> 10,2	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211
64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics						
	Acute fish toxicity	LL50 mg/l	2 - 5	96 h	Oncorhynchus mykiss	Study report (1994)	OECD Guideline 203
	Acute algae toxicity	ErC50	8,3 mg/l	72 h	Raphidocelis subcapitata	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EL50	1,4 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Fish toxicity	NOEC mg/l	0,173	28 d	Oncorhynchus mykiss	REACh Registration Dossier	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC mg/l	1,22	21 d	Daphnia magna	REACh Registration Dossier	The aquatic toxicity was estimated by a

## 12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

## Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, < 2% aromatics	>= 3,17
64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	>= 1,99



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## BCF

CAS No	Chemical name	BCF	Species	Source
64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, < 2% aromatics	>= 30,85	calculated	REACh Registration D
64742-47-8	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	>= 7	calculated	REACh Registration D

### 12.4. Mobility in soil

No information available.

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

## **Disposal recommendations**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Dispose of waste according to applicable legislation.

## Contaminated packaging

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation.

## **SECTION 14: Transport information**

#### Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	UN 1268
14.2. UN proper shipping name:	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, < 2% aromatics)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Classification code:	F1
Special Provisions:	ADR664
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	30

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Tunnel restriction code:	D/E	
Inland waterways transport (ADN)		
14.1. UN number or ID number:	UN 1268	
14.2. UN proper shipping name:	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons, C9-C11, n-alkanes,	
··· · · · · · · · · · · · · · · · · ·	isoalkanes, cyclenes, < 2% aromatics)	
14.3. Transport hazard class(es):	3	
<u>14.4. Packing group:</u> Hazard label:	III 3	
Classification code:	5 F1	
Special Provisions:	363	
Limited quantity:	505 5 L	
Excepted quantity:	E1	
Marine transport (IMDG)		
<u>14.1. UN number or ID number:</u>	UN 1268	
14.1. UN proper shipping name:	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons, C9-C11, n-alkanes,	
14.2. On proper snipping name.	isoalkanes, cyclenes, < 2% aromatics)	
<u>14.3. Transport hazard class(es):</u>	3	
14.4. Packing group:		
Hazard label:	3	
Special Provisions:	223 955	
Limited quantity:	5 L	
Excepted quantity:	E1	
EmS:	F-E, S-E	
Air transport (ICAO-TI/IATA-DGR)		
14.1. UN number or ID number:	UN 1268	
14.2. UN proper shipping name:	PETROLEUM DISTILLATES, N.O.S. (Hydrocarbons, C9-C11, n-alkanes,	
	isoalkanes, cyclenes, < 2% aromatics)	
14.3. Transport hazard class(es):	3	
14.4. Packing group:	III	
Hazard label:	3	
Special Provisions:	A3	
Limited quantity Passenger:	10 L	
Passenger LQ:	Y344	
Excepted quantity: IATA-packing instructions - Passenger:	E1	
IATA-max. quantity - Passenger:	355 60 L	
IATA-max. quantity - r assenger.	366	
IATA-max. quantity - Cargo:	220 L	
14.5. Environmental hazards		
ENVIRONMENTALLY HAZARDOUS:	No	
14.6. Special precautions for user		
No information available.		
14.7. Maritime transport in bulk according t	o IMO instruments	

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No information available.

## **SECTION 15: Regulatory information**

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII): Entry 3, Entry 28, Entry 40

National regulatory information

Water hazard class (D):

2 - obviously hazardous to water

## 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclenes, < 2% aromatics Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

#### **SECTION 16: Other information**

#### Changes

This data sheet contains changes from the previous version in section(s): 2,9,14.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) CAS: Chemical Abstracts Service (division of the American Chemical Society) GHS: Globally Harmonized System of Classification and Labelling of Chemicals CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures, LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent EC50: Effectice concentration, 50 percent DNEL: Derived No Effect Level PNEC: Predicted No Effect Concentration PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Flam. Lig. 3; H226 On basis of test data	
STOT SE 3; H336 Calculation method	

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## Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)