



## SAFETY DATA SHEET

### VMP C Naphtha

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

##### 1.1. Product identifier

<b>Product name</b>	VMP C Naphtha
<b>Product number</b>	2010382
<b>Internal identification</b>	48163
<b>Synonyms; trade names</b>	Aliphatic hydrocarbon, Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
<b>REACH registration number</b>	01-2119473851-33-xxxx
<b>CAS number</b>	64742-49-0
<b>EU index number</b>	649-328-00-1
<b>EC number</b>	920-750-0

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

<b>Identified uses</b>	Distribution of substance Formulation & (re)packing of substances and mixtures Manufacture of substance Rubber production and processing Use as a fuel Use as a functional fluid Use of release agents or binders Use in cleaning agents Uses in coatings Laboratories Lubricants Use in metal working fluids / Rolling oils Production of polymers, foam, coatings, adhesives and sealants Road and construction applications
<b>Uses advised against</b>	This product is not recommended for any industrial, professional or consumer use other than the Identified Uses above

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

<b>Supplier</b>	Haltermann Carless UK Ltd Head Office - Cedar Court, Guildford Road, Fetcham, Leatherhead, Surrey KT22 9RX United Kingdom +44(0)1372 360000 +44(0)1372 380400
<b>Contact person</b>	MSDSTeam@h-c-s-group.com
<b>Manufacturer</b>	Haltermann Carless UK Ltd Head Office - Cedar Court, Guildford Road, Fetcham, Leatherhead, Surrey KT22 9RX United Kingdom +44(0)1372 360000 +44(0)1372 380400

##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	Please contact SHE Department on +44(0) 1255 502372
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#### SECTION 2: Hazards identification

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

###### Classification

<b>Physical hazards</b>	Flam. Liq. 2 - H225
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**Health hazards** Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304

**Environmental hazards** Aquatic Chronic 2 - H411

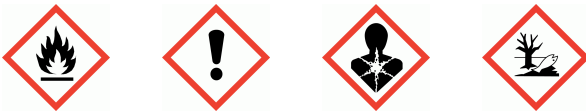
**Classification (67/548/EEC or 1999/45/EC)** Xn;R65. F;R11. N;R51/53. R67,R66.

**Physicochemical** The product is highly flammable. Vapours may form explosive mixtures with air.

### 2.2. Label elements

**EC number** 920-750-0

#### Pictogram



**Signal word** Danger

**Hazard statements**  
 H225 Highly flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 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.  
 P243 Take precautionary measures against static discharge.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P331 Do NOT induce vomiting.  
 P501 Dispose of contents/container in accordance with national regulations.

**Supplemental label information** EUH066 Repeated exposure may cause skin dryness or cracking.

**Supplementary precautionary statements**  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical equipment.  
 P242 Use only non-sparking tools.  
 P261 Avoid breathing vapour/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

## VMP C Naphtha

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Product name	VMP C Naphtha
REACH registration number	01-2119473851-33-xxxx
EU index number	649-328-00-1
CAS number	64742-49-0
EC number	920-750-0
Composition comments	Benzene Content <0.1%

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General information	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. First aid personnel should wear appropriate protective equipment during any rescue.
Inhalation	Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention.
Ingestion	Get medical attention immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if any discomfort continues.

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

Inhalation	Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.
Ingestion	Central nervous system depression. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Nausea, vomiting. May cause irritation.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation.

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

Notes for the doctor	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

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

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<b>Specific hazards</b>	The product is highly flammable. Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours may form explosive mixtures with air.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Oxides of carbon.
<b>5.3. Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	Evacuate area. Move containers from fire area if it can be done without risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses. No action shall be taken without appropriate training or involving any personal risk.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes.
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#### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid the spillage or runoff entering drains, sewers or watercourses.
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Stop leak if safe to do so. Eliminate all sources of ignition. Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Do not touch or walk into spilled material. Provide adequate ventilation.
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Avoid spilling. Static electricity and formation of sparks must be prevented. Avoid contact with skin and eyes. Provide adequate ventilation. Use approved respirator if air contamination is above an acceptable level. Container must be kept tightly closed when not in use. Keep away from heat, sparks and open flame. Use explosion-proof electrical, ventilating and lighting equipment.
<b>Advice on general occupational hygiene</b>	Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Take off contaminated clothing and wash it before reuse. Wash after use and before eating, smoking and using the toilet.

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

<b>Storage precautions</b>	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents. Keep away from heat, sparks and open flame. Keep containers upright. Keep away from food, drink and animal feeding stuffs.
<b>Storage class</b>	Flammable liquid storage.

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

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**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 1200 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**DNEL** Industry - Dermal; Long term systemic effects: 773 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 2035 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 699 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 608 mg/m<sup>3</sup>

**PNEC** No PNEC available

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Use explosion-proof general and local exhaust ventilation.

##### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

##### Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Nitrile rubber. Viton rubber (fluoro rubber). To protect hands from chemicals, gloves should comply with European Standard EN374.

##### Other skin and body protection

Provide eyewash station and safety shower. Wear suitable protective clothing as protection against splashing or contamination.

##### Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Take off contaminated clothing and wash it before reuse.

##### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Organic vapour filter.

##### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

**Appearance** Liquid.

**Colour** Colourless.

**Odour** Characteristic.

**Odour threshold** Not known. Not known.

**pH** Not available. Not available.

**Melting point** <-20°C

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<b>Initial boiling point and range</b>	90-165°C @ 760 mm Hg
<b>Flash point</b>	2°C CC (Closed cup).
<b>Evaporation rate</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 0.8 Upper flammable/explosive limit: 6.5
<b>Vapour pressure</b>	2 kPa @ °C
<b>Vapour density</b>	Not available.
<b>Relative density</b>	0.710-0.780 @ 20°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	260°C
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	0.55 cSt @ 40°C
<b>Explosive properties</b>	Not available
<b>Oxidising properties</b>	Not available.
<b>9.2. Other information</b>	
<b>Other information</b>	Not known.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not relevant. Will not polymerise.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

#### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Conclusive data but not sufficient for classification.

##### Acute toxicity - dermal

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<b>Notes (dermal LD<sub>50</sub>)</b>	Conclusive data but not sufficient for classification.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	Conclusive data but not sufficient for classification.
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Erythema/eschar score: Very slight erythema - barely perceptible (1). Not irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Not irritating.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	- Guinea pig: Not sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	: Negative. Does not contain any substances known to be mutagenic.
<b>Genotoxicity - in vivo</b>	Does not contain any substances known to be mutagenic.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Not available. There is no evidence that the product can cause cancer.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Not available. This substance has no evidence of toxicity to reproduction.
<b>Reproductive toxicity - development</b>	This substance has no evidence of toxicity to reproduction.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	NOAEL 8117 mg/m <sup>3</sup> , Inhalation, Rat
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Not available.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Kinematic viscosity ≤ 20.5 mm <sup>2</sup> /s.
<b>Inhalation</b>	Central nervous system depression. Vapours may cause drowsiness and dizziness. Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	Central nervous system depression. Irritating to mouth, throat and stomach May be fatal if swallowed and enters airways Nausea, vomiting.
<b>Eye contact</b>	May cause temporary eye irritation.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours, 96 hours: 3.0 mg/l, Onchorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours, 48 hours: 4.6 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours, 72 hours: > 10 mg/l, Algae - Raphidocelis
<b>Chronic toxicity - fish early life stage</b>	NOEC, 28 days, 28 days: 0.574 mg/l,

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**Chronic toxicity - aquatic invertebrates** NOEC, 21 days, 21 days: 1 mg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability** The product is readily biodegradable.

**Biodegradation** - Degradation (%) 98: 28 days  
Test - 301F Ready Biodegradability - Manometric Respiratory Test

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

### 12.4. Mobility in soil

**Mobility** The product has poor water-solubility.

**Adsorption/desorption coefficient** Not available.

**Henry's law constant** Not available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 3295

**UN No. (IMDG)** 3295

**UN No. (ICAO)** 3295

**UN No. (ADN)** 3295

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light)

**Proper shipping name (IMDG)** HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light)

**Proper shipping name (ICAO)** HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light)

**Proper shipping name (ADN)** HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light)



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### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ADN packing group	II
ICAO packing group	II

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-E, S-D
ADR transport category	2
Emergency Action Code	3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Proper shipping name: Alkanes (C6-C9), Ship type 2, Pollution category X

## SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
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## VMP C Naphtha

### EU legislation

Dangerous Substances Directive 67/548/EEC.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

#### SECTION 16: Other information

<b>Revision comments</b>	Minor changes made
<b>Issued by</b>	HCS Group Technical Team
<b>Revision date</b>	14/04/2016
<b>Revision</b>	14
<b>Supersedes date</b>	09/09/2015
<b>SDS number</b>	20894
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	R11 Highly flammable. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.