

# **CRC Industries (New Zealand)**

#### Chemwatch: 5568-43 Version No: 2.1

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Issue Date: 31/10/2022 Print Date: 05/04/2023 L.GHS.AUS.EN.E

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

Product Identifier	
Product name	CRC Auto Belt Dressing
Chemical Name	Not Applicable
Synonyms	1753472
Proper shipping name	AEROSOLS
Chemical formula	Not Applicable
Other means of identification	Not Available
Relevant identified uses of the	substance or mixture and uses advised against
Relevant identified uses	Aerosol belt conditioner.
Details of the manufacturer or	supplier of the safety data sheet
Registered company name	CRC Industries (New Zealand)
Address	10 Highbrook Drive East Tamaki Auckland 2013 New Zealand
Telephone	+64 9 272 2700
Fax	+64 9 274 9696
Website	Not Available
Email	customerservices@crc.co.nz
Emergency telephone number	
Association / Organisation	CRC Industries (New Zealand)
Emergency telephone numbers	+64 9 278 7913
Other emergency telephone numbers	Not Available

# **SECTION 2 Hazards identification**

cation of the substance	er mixture
Poisons Schedule	Not Applicable
Classification [1]	Aerosols Category 1, Skin Corrosion/Irritation Category 2, Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) Category 3, Hazardous to the Aquatic Environment Long-Term Hazard Category 1
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

## Label elements

Hazard pictogram(s)			¥2
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Signal word

Danger

# Hazard statement(s)

AUH044	Risk of explosion if heated under confinement.
H222+H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.

# Precautionary statement(s) Prevention

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.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves and protective clothing.
P264	Wash all exposed external body areas thoroughly after handling.

## Precautionary statement(s) Response

P312	Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.
P391	Collect spillage.
P302+P352	IF ON SKIN: Wash with plenty of water.
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.

## Precautionary statement(s) Storage

P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

## Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

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

#### Substances

See section below for composition of Mixtures

## Mixtures

CAS No	%[weight]	Name
142-82-5	20-30	heptane
63748-98-1	1-5	mineral oil
64742-65-0.	1-5	paraffinic distillate, heavy, solvent-dewaxed (severe)
Not Available	10-20	Ingredients determined not to be hazardous
68476-85-7.	40-60	hydrocarbon propellant
Legend:	1. Classified by Chemwatch; Classification drawn from C&	2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. L; * EU IOELVs available

# **SECTION 4 First aid measures**

## Description of first aid measures

Eye Contact	<ul> <li>If aerosols come in contact with the eyes:</li> <li>Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Transport to hospital or doctor without delay.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	If solids or aerosol mists are deposited upon the skin: <ul> <li>Flush skin and hair with running water (and soap if available).</li> <li>Remove any adhering solids with industrial skin cleansing cream.</li> <li>DO NOT use solvents.</li> <li>Seek medical attention in the event of irritation.</li> </ul>
Inhalation	<ul> <li>If aerosols, fumes or combustion products are inhaled:</li> <li>Remove to fresh air.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>If breathing is shallow or has stopped, ensure clear airway and apply resuscitation, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> </ul>
Ingestion	<ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul>

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#### **CRC Auto Belt Dressing**

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

For petroleum distillates

· In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption - decontamination (induced emesis or lavage) is controversial and should be considered on the merits of each individual case; of course the usual precautions of an endotracheal tube should be considered prior to lavage, to prevent aspiration. Individuals intoxicated by petroleum distillates should be hospitalized immediately, with acute and continuing attention to neurologic and cardiopulmonary function.

· Positive pressure ventilation may be necessary.

· Acute central nervous system signs and symptoms may result from large ingestions of aspiration-induced hypoxia.

After the initial episode individuals should be followed for changes in blood variables and the delayed appearance of pulmonary oedema and chemical pneumonitis. Such patients should be followed for several days or weeks for delayed effects, including bone marrow toxicity, hepatic and renal impairment Individuals with chronic pulmonary disease will be more seriously impaired, and recovery from inhalation exposure may be complicated.

· Gastrointestinal symptoms are usually minor and pathological changes of the liver and kidneys are reported to be uncommon in acute intoxications.

· Chlorinated and non-chlorinated hydrocarbons may sensitize the heart to epinephrine and other circulating catecholamines so that arrhythmias may occur. Careful consideration of this potential adverse effect should precede administration of epinephrine or other cardiac stimulants and the selection of bronchodilators.

Treat symptomatically.

## **SECTION 5 Firefighting measures**

#### Extinguishing media

SMALL FIRE:

 Water spray, dry chemical or CO2 LARGE FIRE:

Water spray or fog.

#### Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
vice for firefighters	
Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>May be violently or explosively reactive.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>If safe, switch off electrical equipment until vapour fire hazard removed.</li> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> <li>DO NOT approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> </ul>
Fire/Explosion Hazard	<ul> <li>Liquid and vapour are highly flammable.</li> <li>Severe fire hazard when exposed to heat or flame.</li> <li>Vapour forms an explosive mixture with air.</li> <li>Severe explosion hazard, in the form of vapour, when exposed to flame or spark.</li> <li>Vapour may travel a considerable distance to source of ignition.</li> <li>Heating may cause expansion or decomposition with violent container rupture.</li> <li>Aerosol cans may explode on exposure to naked flames.</li> <li>Rupturing containers may rocket and scatter burning materials.</li> <li>Hazards may not be restricted to pressure effects.</li> <li>May emit acrid, poisonous or corrosive fumes.</li> <li>On combustion, may emit toxic fumes of carbon monoxide (CO).</li> <li>Combustion products include:</li> <li>carbon monoxide (CO)</li> <li>carbon dioxide (CO2)</li> <li>other pyrolysis products typical of burning organic material.</li> <li>Contains low boiling substance: Closed containers may rupture due to pressure buildup under fire conditions.</li> <li>CARE: Water in contact with hot liquid may cause foaming and a steam explosion with wide scattering of hot oil and possible severe burns.</li> </ul>

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

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

See section 8

#### **Environmental precautions**

See section 12

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

Minor Spills	<ul> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Wear protective clothing, impervious gloves and safety glasses.</li> <li>Shut off all possible sources of ignition and increase ventilation.</li> <li>Wipe up.</li> <li>If safe, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated.</li> <li>Undamaged cans should be gathered and stowed safely.</li> </ul>
Major Spills	<ul> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>May be violently or explosively reactive.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water courses</li> <li>No smoking, naked lights or ignition sources.</li> </ul>

g drains and water-courses.
cuation. ossible sources of ignition and increase ve or naked lights within area. caution to prevent violent reaction.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## **SECTION 7 Handling and storage**

#### Precautions for safe handling

Safe handling	<ul> <li>DO NOT allow clothing wet with material to stay in contact with skin</li> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> <li>DO NOT enter confined spaces until atmosphere has been checked.</li> <li>Avoid smoking, naked lights or ignition sources.</li> <li>Avoid contact with incompatible materials.</li> <li>When handling, DO NOT eat, drink or smoke.</li> <li>DO NOT incinerate or puncture aerosol cans.</li> <li>DO NOT spray directly on humans, exposed food or food utensils.</li> <li>Avoid physical damage to containers.</li> <li>Always wash hands with soap and water after handling.</li> <li>Work clothes should be laundered separately.</li> <li>Use good occupational work practice.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul>
Other information	<ul> <li>Store below 38 deg. C.</li> <li>Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can</li> <li>Store in original containers in approved flammable liquid storage area.</li> <li>DO NOT store in pits, depressions, basements or areas where vapours may be trapped.</li> <li>No smoking, naked lights, heat or ignition sources.</li> <li>Keep containers securely sealed. Contents under pressure.</li> <li>Store in a cool, dry, well ventilated area.</li> <li>Avoid storage at temperatures higher than 40 deg C.</li> <li>Store in an upright position.</li> <li>Protect containers against physical damage.</li> <li>Check regularly for spills and leaks.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>

## Conditions for safe storage, including any incompatibilities

5	Suitable contai		<ul> <li>Aerosol dispenser.</li> <li>Check that containers are clearly labelled.</li> </ul>				
Stora	ge incompatibi	lity ► Avo	id reaction with	oxidising agents			
*	x	+	×	*	</th <th>+</th> <th></th>	+	

- Must not be stored together Х

- 0 - May be stored together with specific preventions
- May be stored together +

Note: Depending on other risk factors, compatibility assessment based on the table above may not be relevant to storage situations, particularly where large volumes of dangerous goods are stored and handled. Reference should be made to the Safety Data Sheets for each substance or article and risks assessed accordingly.

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

# **Control parameters**

- Occupational Exposure Limits (OEL)
- INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	heptane	Heptane (n-Heptane)	400 ppm / 1640 mg/m3	2050 mg/m3 / 500 ppm	Not Available	Not Available
Australia Exposure Standards	mineral oil	Oil mist, refined mineral	5 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	paraffinic distillate, heavy, solvent- dewaxed (severe)	Oil mist, refined mineral	5 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	hydrocarbon propellant	LPG (liquified petroleum gas)	1000 ppm / 1800 mg/m3	Not Available	Not Available	Not Available

#### Emergency Limits

Ingredient	TEEL-1	TEEL-2		TEEL-3	
heptane	500 ppm	830 ppm		5000* ppm	
mineral oil	140 mg/m3	1,500 mg/m3		8,900 mg/m3	
paraffinic distillate, heavy, solvent-dewaxed (severe)	140 mg/m3	1,500 mg/m3		8,900 mg/m3	
hydrocarbon propellant	65,000 ppm	2.30E+05 ppm		4.00E+05 ppm	
Ingredient	Original IDLH		Revised IDLH		
heptane	750 ppm		Not Available		
mineral oil	2,500 mg/m3		2,500 mg/m3 Not Available		
paraffinic distillate, heavy, solvent-dewaxed (severe)	2,500 mg/m3		Not Available		
hydrocarbon propellant	2,000 ppm		Not Available		

#### MATERIAL DATA

For liquefied petroleum gases (LPG):

TLV TWA: 1000 ppm, 1800 mg/m3 (as LPG)

ES TWA: 1000 ppm, 1800 mg/m3 (as LPG)

OES TWA: 1000 ppm, 1750 mg/m3; STEL: 1250 ppm, 2180 mg/m3 (as LPG)

IDLH Level: 2000 ppm (lower explosive limit)

No chronic systemic effects have been reported from occupational exposure to LPG. The TLV-TWA is based on good hygiene practices and is thought to minimise the risk of fire or explosion

Odour Safety Factor(OSF)

OSF=0.16 (hydrocarbon propellant)

Toxicity and Irritation data for petroleum-based mineral oils are related to chemical components and vary as does the composition and source of the original crude. A small but definite risk of occupational skin cancer occurs in workers exposed to persistent skin contamination by oils over a period of years. This risk has been attributed to the presence of certain polycyclic aromatic hydrocarbons (PAH) (typified by benz[a]pyrene).

Petroleum oils which are solvent refined/extracted or severely hydrotreated, contain very low concentrations of both.

for mineral oils (excluding metal working fluids), pure, highly and severely refined:

Human exposure to oil mist alone has not been demonstrated to cause health effects except at levels above 5 mg/m3 (this applies to particulates sampled by a method that does not collect vapour). It is not advisable to apply this standard to oils containing unknown concentrations and types of additive.

Exposed individuals are NOT reasonably expected to be warned, by smell, that the Exposure Standard is being exceeded.

Odour Safety Factor (OSF) is determined to fall into either Class C, D or E.

The Odour Safety Factor (OSF) is defined as:

OSF= Exposure Standard (TWA) ppm/ Odour Threshold Value (OTV) ppm

#### Classification into classes follows:

ClassOSE Description

Over 90% of exposed individuals are aware by smell that the Exposure Standard (TLV-TWA for example) is being reached, even when distracted by working activities 550 Α в 26-550 As "A" for 50-90% of persons being distracted

- 1-26 As "A" for less than 50% of persons being distracted С
- D 0.18-1 10-50% of persons aware of being tested perceive by smell that the Exposure Standard is being reached
- F <0.18 As "D" for less than 10% of persons aware of being tested

#### for heptane (all isomers)

The TLV-TWA is protective against narcotic and irritant effects which are greater than those of pentane or n-hexane but less than those of octane. The TLV-TWA applies to all isomers. Inhalation by humans of 1000 ppm for 6 minutes produced slight dizziness. Higher concentrations for shorter periods produce marked vertigo, incoordination and hilarity. Signs of central nervous system depression occur in the absence of mucous membrane irritation. Brief exposures to high levels (5000 ppm for 4 minutes) produce nausea, loss of appetite and a "gasoline-like" taste in the mouth that persists for many hours after exposure ceases

For butane:

Odour Threshold Value: 2591 ppm (recognition)

Butane in common with other homologues in the straight chain saturated aliphatic hydrocarbon series is not characterised by its toxicity but by its narcosis-inducing effects at high concentrations. The TLV is based on analogy with pentane by comparing their lower explosive limits in air. It is concluded that this limit will protect workers against the significant risk of drowsiness and other narcotic effects.

Odour Safety Factor(OSF) OSF=0.22 (n-BUTANE)

NOTE L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. European Union (EU) List of harmonised classification and labelling hazardous substances. Table 3.1. Annex VI. Regulation (EC) No 1272/2008 (CLP) - up to the latest ATP NOTE K: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1%w/w 1,3-butadiene (EINECS No 203-450-8). - European Union (EU) List of harmonised classification and labelling hazardous substances, Table 3.1, Annex VI, Regulation (EC) No 1272/2008 (CLP) - up to the latest ATP

#### Exposure controls

Appropriate engineering	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can
controls	be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

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	The basic types of engineering controls are: Process controls which involve changing the way a job activit Enclosure and/or isolation of emission source which keeps a "adds" and "removes" air in the work environment. Ventilation ventilation system must match the particular process and che Employers may need to use multiple types of controls to prev General exhaust is adequate under normal conditions. If risk obtain adequate protection. Provide adequate ventilation in warehouse or closed storage Air contaminants generated in the workplace possess varying	selected hazard "physically" away from the worker a can remove or dilute an air contaminant if designe mical or contaminant in use. rent employee overexposure. of overexposure exists, wear SAA approved respira areas.	d properly. The design of a ator. Correct fit is essential to	
	circulating air required to effectively remove the contaminant. Type of Contaminant: Speed:			
	aerosols, (released at low velocity into zone of active gener	ration)	0.5-1 m/s	
	direct spray, spray painting in shallow booths, gas discharg	e (active generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min.)	
	Within each range the appropriate value depends on:			
	Lower end of the range	Upper end of the range		
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents		
	2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity		
	3: Intermittent, low production.	3: High production, heavy use		
	4: Large hood or large air mass in motion	4: Small hood-local control only		
	Simple theory shows that air velocity falls rapidly with distanc with the square of distance from the extraction point (in simpl accordingly, after reference to distance from the contamination 1-2 m/s (200-400 f/min.) for extraction of solvents generated considerations, producing performance deficits within the extu factors of 10 or more when extraction systems are installed o	e cases). Therefore the air speed at the extraction p og source. The air velocity at the extraction fan, for e in a tank 2 meters distant from the extraction point. raction apparatus, make it essential that theoretical	point should be adjusted, example, should be a minimum o Other mechanical	
Individual protection measures, such as personal protective equipment				
Eye and face protection	<ul> <li>Safety glasses with side shields.</li> <li>Chemical goggles.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]</li> <li>No special equipment for minor exposure i.e. when handling small quantities.</li> <li>OTHERWISE: For potentially moderate or heavy exposures:</li> <li>Safety glasses with side shields.</li> <li>NOTE: Contact lenses pose a special hazard; soft contact lenses may absorb irritants and ALL lenses concentrate them.</li> <li>Close fitting gas tight goggles</li> <li>DO NOT wear contact lenses.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lenses as soon as practicable to ensitot injury experience. Medical and first-aid personnel should be</li></ul>			
Skin protection	See Hand protection below			
Hands/feet protection	<ul> <li>No special equipment needed when handling small quantities.</li> <li>OTHERWISE:</li> <li>For potentially moderate exposures:</li> <li>Wear general protective gloves, eg. light weight rubber gloves.</li> <li>For potentially heavy exposures:</li> <li>Wear chemical protective gloves, eg. PVC. and safety footwear.</li> </ul>			
Body protection	See Other protection below			
Other protection	No special equipment needed when handling small quantities <b>OTHERWISE:</b> • Overalls. • Skin cleansing cream. • Eyewash unit. • Do not spray on hot surfaces. • The clothing worn by process operators insulated from ea ignition energies for various flammable gas-air mixtures.	arth may develop static charges far higher (up to 10		

## Recommended material(s)

#### GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the: **"Forsberg Clothing Performance Index".** The effect(s) of the following substance(s) are taken into account in the *computer*-

## **Respiratory protection**

Type AX-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

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## **CRC Auto Belt Dressing**

generated selection:

CRC Auto Belt Dressing

Material	CPI
NITRILE+PVC	A
HYPALON	В
NITRILE	В
NATURAL RUBBER	С
NEOPRENE	С
PVC	С

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	AX-AUS P2	-	AX-PAPR-AUS / Class 1 P2
up to 50 x ES	-	AX-AUS / Class 1 P2	-
up to 100 x ES	-	AX-2 P2	AX-PAPR-2 P2 ^

#### ^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

- Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used
- Generally not applicable.

Aerosols, in common with most vapours/ mists, should never be used in confined spaces without adequate ventilation. Aerosols, containing agents designed to enhance or mask smell, have triggered allergic reactions in predisposed individuals.

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

#### Information on basic physical and chemical properties

Appearance Clear amber coloured highly flammable liquid with no odour; does not mix with water. Physical state Relative density (Water = 1) Not Available Liquid Partition coefficient n-octanol Odour Not Available Not Available / water Odour threshold Not Available Not Available Auto-ignition temperature (°C) Decomposition pH (as supplied) Not Available Not Available temperature (°C) Melting point / freezing point Not Available Viscosity (cSt) Not Available (°C) Initial boiling point and boiling Not Available Molecular weight (g/mol) Not Applicable range (°C) Flash point (°C) -104 (propellant) Not Available Taste Evaporation rate Not Available Explosive properties Not Available Flammability HIGHLY FLAMMABLE **Oxidising properties** Not Available Surface Tension (dvn/cm or Upper Explosive Limit (%) Not Available Not Available mN/m) Lower Explosive Limit (%) Not Available Volatile Component (%vol) Not Available Vapour pressure (kPa) Not Available Not Available Gas group Solubility in water Not Available pH as a solution (1%) Not Available Vapour density (Air = 1) Not Available VOC g/L Not Available

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

Reactivity	See section 7
Chemical stability	<ul> <li>Elevated temperatures.</li> <li>Presence of open flame.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

Inhaled	Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo. Inhalation hazard is increased at higher temperatures. Acute effects from inhalation of high concentrations of vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression - characterised by headache and dizziness, increased reaction time, fatigue and loss of co-ordination Central nervous system (CNS) depression may include nonspecific discomfort, symptoms of giddiness, headache, dizziness, nausea, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal. Inhalation of oil droplets/ aerosols may cause discomfort and may produce chemical pneumonitis. <b>WARNING:</b> Intentional misuse by concentrating/inhaling contents may be lethal.			
Ingestion	Central nervous system (CNS) depression may include nonspecific disc	Considered an unlikely route of entry in commercial/industrial environments Central nervous system (CNS) depression may include nonspecific discomfort, symptoms of giddiness, headache, dizziness, nausea, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory		
Skin Contact	The material may accentuate any pre-existing dermatitis condition Spray mist may produce discomfort Open cuts, abraded or irritated skin should not be exposed to this mate Entry into the blood-stream through, for example, cuts, abrasions, punc Examine the skin prior to the use of the material and ensure that any ex	ture wounds or lesions, may produce systemic injury with harmful effects.		
Eye	Direct contact with the eye may not cause irritation because of the extre irritation after brief exposures	eme volatility of the gas; however concentrated atmospheres may produce		
Chronic	irritation after brief exposures Repeated or prolonged exposure to mixed hydrocarbons may produce narcosis with dizziness, weakness, irritability, concentration and memory loss, tremor in the fingers and tongue, vertigo, olfactory disorders, constriction of visual field, paraesthesias of the extremities loss and anaemia and degenerative changes in the liver and kidney. Chronic exposure by petroleum workers, to the lighter hydrocarbos been associated with visual disturbances, damage to the central nervous system, peripheral neuropathies (including numbness and paraesthesias), psychological and neurophysiological deficits, bone marrow toxicities (including hypoplasia possibly due to benzene) a and renal involvement. Chronic dermal exposure to petroleum hydrocarbons may result in defatting which produces localised dermato Surface cracking and erosion may also increase susceptibility to infection by microorganisms. One epidemiological study of petroleum workers has reported elevations in standard mortality ratios for skin cancer along with a dose-response relationship indicating an asso between routine workplace exposure to petroleum or one of its constituents and skin cancer, particularly melanoma. Other studies hav unable to confirm this finding. Hydrocarbon solvents are liquid hydrocarbon fractions derived from petroleum processing streams, containing only carbon and hydrog with carbon numbers ranging from approximately C5-C20 and boiling between approximately 35-370 deg C. Many of the hydrocarbon have complex and variable compositions with constituents of 4 types, alkanes (normal paraffins, isoparaffins, and cycloparaffins) and a (primarily alkylated one- and two-ring species). Despite the compositional complexity, most hydrocarbon solvent constituents have sim toxicological properties, and the overall toxicological hazards can be characterized in generic terms. Hydrocarbon solvents can cause pneumonitis if aspirated into the lung, and those that are volatile can cause acute CNS effects and/o			
CRC Auto Belt Dressing	Not Available	IRRITATION Not Available		
	ΤΟΧΙΟΙΤΥ	IRRITATION		
heptane	Dermal (rabbit) LD50: >2000 mg/kg <sup>[1]</sup>	Eye: no adverse effect observed (not irritating) <sup>[1]</sup>		
	Inhalation(Rat) LC50: >29.29 mg/l4h <sup>[1]</sup> Oral (Rat) LD50: >5000 mg/kg <sup>[1]</sup>	Skin: no adverse effect observed (not irritating) <sup>[1]</sup>		
mineral oil	ΤΟΧΙΟΙΤΥ	IRRITATION		
	Not Available	Not Available		
	ΤΟΧΙΟΙΤΥ	IRRITATION		
	Толюнт			

paraffinic distillate, heavy, solvent-dewaxed (severe)

. ,

hydrocarbon propellant

Legend:

Dermal (rabbit) LD50: >2000 mg/kg<sup>[2]</sup>

Inhalation(Rat) LC50: 2.18 mg/l4h<sup>[2]</sup>

Inhalation(Rat) LC50: 658 mg/l4h<sup>[2]</sup>

Oral (Rat) LD50: >5000 mg/kg<sup>[2]</sup>

TOXICITY

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise

IRRITATION

Not Available

Eye: no adverse effect observed (not irritating)<sup>[1]</sup>

Skin: no adverse effect observed (not irritating)<sup>[1]</sup>

	specified data extracted from RTECS - Register of Toxic Effect of chemical Substances
PARAFFINIC DISTILLATE, HEAVY, SOLVENT-DEWAXED (SEVERE)	Studies indicate that normal, branched and cyclic parafins are absorbed from the mammalian gastrointestinal tract and that the absorption of n-parafins is inversely proportional to the carbon chain length, with little absorption above C30. With respect to the carbon chain lengths likely to be present in mineral oil parafins may be absorbed to a greater extent that iso- or cyclo-parafins. The major classes of hydrocarbons have been shown to be well absorbed by the gastrointestinal tract in various species. In many classes, the hydrophobic hydrocarbons are ungested in association with dietary lipids. The dependence of hydrocarbon absorption on concomitant triglyceride digestion and absorption. Is known as the "hydrocarbon continuum hypothesis", and asserts that a series of solubilising phases in the intestinal tumer, created by dietary riggicenties and that indigestion products, afford hydrocarbon a nuture to the lipid phase of the intestinal absorptive cell (enterocyte) membrane. While some hydrocarbons may traverse the mucosal epithelium unmetabolised and appear as solutes in lipoprotein particles in intestinal lymph, the serie sevelence that most hydrocarbons paratily separate from nutritent lipids and undergo metabolic transformation in the enterocyte. The enterocyte analysis of the acute toxicity of highly & severely refined base oils have been reported. Trespective of the crude source or the method or extent of processing, the oral LDSOs have been observed to be 5 g/kg (bw) and the dermal LDSOs have ranged from >2 to >5g/kg (bw). The LCSO for inhalation toxicity range from 2.18 mg/ to >4 mg/. When tested for skin and eye irritation, the materials have been reported with exist - the sequest of a depend on animal species and/ or the paculiarities of the study. Severely refined base oils support the presumption that a distillate base oils toxicity is inversely related to the degree of processing in receives. Adverse effects have been reported withe evels to the adversed responde on animal species and/ or th
HYDROCARBON PROPELLANT	for Petroleum Hydrocarbon Gases: In many cases, there is more than one potentially toxic constituent in a refinery gas. In those cases, the constituent that is most toxic for a particular endpoint in an individual refinery stream is used to characterize the endpoint hazard for that stream. The hazard potential for each mammalian endpoint for each of the petroleum hydrocarbon gases is dependent upon each petroleum hydrocarbon gas, the constituent endpoint toxicity values (LCS0, LOAEL, etc.) and the relative concentration of the constituent present in that gas. Is should also be noted that for an individual petroleum hydrocarbon gas, the constituent tharacterizing toxicity may be different for different mammalian endpoints, again, being dependent upon the concentration of the different constituents in each, distinct petroleum hydrocarbon gas. All Hydrocarbon Gases Category members contain primarily hydrocarbon gases are less toxic than the C1 - C4 and C5 - C6 hydrocarbon components to both mammalian and aquatic organisms. Unlike other petroleum product categories (e.g. gasoline, diself fuel, lubricating oils, etc.), the inorganic and hydrocarbon constituents of hydrocarbon gases can be evaluated for hazard individually to then predict the screening level hazard of the Category members <b>Acute toxicity</b> : No acute toxicity LCS0 values have been derived for the C1 - C4 and C5 - C6 hydrocarbon (HC) fractions because no montality was observed at the highest exposure levels tested (- 5 mg/l) for these petroleum hydrocarbon gas constituents. The order of acute toxicity of petroleum hydrocarbon gas, the C1 (CS0 > 1000 ppm) > benzene (LCS0 = 13,700 ppm) > butadiene (LCS0 = 129,000 ppm) > asphyxiant gases (hydrogen, carbon dioxide, nitrogen). <b>Repeat dose toxicity</b> : With the exception of the asphyxiant gases, repeated dose toxicity of these constituents from most toxic to the least toxic is: Benzene (LOAEL >= 16,002 ppm) > C1-C4 HCS (LOAEL = 5,000 ppm; assumed to be 100% 2-butene) > C5-C6 HCS (LOAEL = 6,625

MINERAL OIL & PARAFFINIC DISTILLATE, HEAVY, SOLVENT-DEWAXED (SEVERE)	The materials included in the Lubricating Base Oils ca The potential toxicity of a specific distillate base oil is is • The adverse effects of these materials are associate • The levels of the undesirable components are invers • Distillate base oils receiving the same degree or extel • The potential toxicity of <i>residual base oils</i> is indepen • The reproductive and developmental toxicity of the d The degree of refining influences the carcinogenic pote substantially reduce the carcinogenic potential of lubri carcinogenic potential. Unrefined and mildly refined distillate base oils contain molecules and have shown the highest potential carci produced from unrefined and mildly refined oils by ren refined base oils, the highly and severely refined distillow mammalian toxicity. Mutagenicity and carcinogeni biologically active components or the components are Toxicity testing has consistently shown that lubricating s mutagenic and carcinogenic potential correlates with extractables (e.g. IP346 assay), both characteristics th Skin irritating is not significant (CONCAWE) based on for 24 hours, a period of time 6 times longer than the d Eye irritation is not significant according to experiment class(Other Lubricant Base Oils). Sensitisation: The substance does not cause the sems CASs from the OLBO class(Other Lubricant Base Oils Germ cell mutagenicity: The tests performed within the (CONCAWE studies. AMES tests had negative results Reproduction toxicity: Reproduction / development to results in oral gavage studies. Pre-birth studies regare Observed Adverse Effect Level) of 125 mg/kg body/da mg/kg body/day, which shows that the substance is not toxic for reproduction. STOT (toxicity on specific target organs) – repeated e NOAEL for heavy paraffinic distillate aromatic extract Inhalation The NOAEL for lung changes associated with oil depo NOAEL for systemic effects was > 980 mg/m3. Dermal In a 90 day subchronic dermal study, the administratic weights, organ weights (particularly the	inversely related to the severity or extu- d with undesirable components, and leaver related to the degree of processin ent of processing will have similar toxi- dent of the degree of processing the of listillate base oils is inversely related to tential of the oils. Whereas mild acid / cant base oils, hydrotreatment and / of in the highest levels of undesirable co- nogenic and mutagenic activities. Hig- noving or transforming undesirable co- late base oils have a smaller range of city testing of residual oils has been in largely non-bioavailable due to their in g base oils have low acute toxicities. No in its 3-7 ring polycyclic aromatic comp- nat are directly related to the degree/of duration recommended by the OECD al data (CONCAWE studies) based on sitization of the respiratory tract or of th solo a in vivo" studies regarding gene muta is in 7 studies performed on 4 CASs fro- cicity monitoring according to OECD 4 ding toxicity in the unborn foetus devel ay, based on dermal irritation and a No exposure: Studies with short term repe- scal effects > 280 mg/m3 and for syster WE studies). could not be identified and is less than osition in the lungs was 220 mg/m3. A on of Light paraffinic distillate solvent ef- us), and variety of haematology and se- ed were most prominent in the adrena dy, the NOAEL for the test material is e or developmental toxicity with 1 mL/ ritation. Therefore, the reproductive/d uternal, reproductive and foetal toxicity mus weight and increase in liver weig g/kg/day). Evidence of potential repro- balate and ossification delays were ob d: OIN 8 - The classifications as a rep toxicant category 1; H372 (Causes da in rodents. Absorption of other lubr length are more readily absorbed tha absorbed and is excreted unchanged dney, brain and spleen. Excretion of a and disposition profiles, the data indic D rats), rate of metabolism, and hepal	ent of processing the oil has undergone, since: g: cities; bil receives. o the degree of processing. earth refining processes are inadequate to or solvent extraction methods can yield oils with no mponents, have the largest variation of hydrocarbon hly and severely refined distillate base oils are mponents. In comparison to unrefined and mildly hydrocarbon molecules and have demonstrated very egative, supporting the belief that these materials lack molecular size. Iumerous tests have shown that a lubricating base oil ound (PAC) content, and the level of DMSO onditions of processing class (Other Lubricant Base Oils). Each study lasted method). 1 9 "in vivo" tests on 7 CASs from the OLBO the skin. (CONCAWE studies based on 14 tests on 11 tition at mice micronuclei indicated negative results om the OLBO class(Other Lubricant Base Oils)). 21 or 422 methods. CONCAWE tests gave negative lopment process showed a maternal LOAEL (Lowest DAEL (No Observable Adverse Effect Level) of 2000 ated doses (28-day test) on rabbit skin indicated the emic effects NOAEL > 980 mg/m3. In 125 mg/kg/day when administered orally. Is no systemic toxicity was observed, the overall extract had an adverse effect on survivability, body serum chemistry parameters in exposed animals. Is, bone marrow, kidneys, liver, lymph nodes, skin, less than 30 mg/kg/day. kg/day (i.e., 1000 mg/kg/day) in an OECD 421 evelopmental NOAEL for this study is =1000 Maternal toxicity was exhibited as vaginal discharge th (125 mg/kg/day and higher) and aberrant ductive effects was shown by an increased number of mentally toxic regardless of exposure duration as exposures were increased to 1000 mg/kg/day and served. Cleft palate was considered to indicate a roductive toxicant category 2; H361d (Suspected of mage to organs through prolonged or repeated icant base oils across the small intestine is related to n hydrocarbons with a longer chain length. The in the faeces. Distribution of mineral hydrocarbons bsobded mineral hy
PARAFFINIC DISTILLATE, HEAVY, SOLVENT-DEWAXED (SEVERE) & HYDROCARBON PROPELLANT	No significant acute toxicological data identified in liter	rature search.	
	<u> </u>		
Acute Toxicity	×	Carcinogenicity	X
Skin Irritation/Corrosion	*	Reproductivity	×
Serious Eye Damage/Irritation	×	STOT - Single Exposure	<b>★</b>
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure	×
Mutagenicity	×	Aspiration Hazard	X

Legend: 🗙

X − Data either not available or does not fill the criteria for classification
→ Data available to make classification

## Toxicity

CRC Auto Belt Dressing	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Availabl
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	LC50	96h	Fish	375mg/l	4
heptane	EC50	48h	Crustacea	0.64mg/l	2
	NOEC(ECx)	504h	Crustacea	0.17mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Source
mineral oil	Not Available	Not Available	Not Available	Not Available	Not Availab
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	ErC50	72h	Algae or other aquatic plants	>1000mg/l	1
paraffinic distillate, heavy, solvent-dewaxed (severe)	NOEC(ECx)	504h	Crustacea	>1mg/l	1
	EC50	96h	Algae or other aquatic plants	>1000mg/l	1
solvent-dewaxed (severe)	EC30	0011	3 1 1	· · · · · · · · · · · · · · · · · · ·	
Solvent-dewaked (Severe)	EC50	48h	Crustacea	>1000mg/l	1
SOLAELI-GEMAYER (PEALE)			Crustacea Species		
	EC50	48h		>1000mg/l	
hydrocarbon propellant	EC50 Endpoint	48h Test Duration (hr)	Species	>1000mg/l	Sourc

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. **DO NOT** discharge into sewer or waterways.

## Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
heptane	LOW	LOW

## **Bioaccumulative potential**

Ingredient	Bioaccumulation
heptane	HIGH (LogKOW = 4.66)
I	

# Mobility in soil

Ingredient	Mobility
heptane	LOW (KOC = 274.7)

# **SECTION 13 Disposal considerations**

Waste treatment methods	
Product / Packaging disposal	<ul> <li>DO NOT allow wash water from cleaning or process equipment to enter drains.</li> <li>It may be necessary to collect all wash water for treatment before disposal.</li> <li>In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>Where in doubt contact the responsible authority.</li> <li>Consult State Land Waste Management Authority for disposal.</li> <li>Discharge contents of damaged aerosol cans at an approved site.</li> <li>Allow small quantities to evaporate.</li> <li>DO NOT incinerate or puncture aerosol cans.</li> <li>Bury residues and emptied aerosol cans at an approved site.</li> </ul>

## **SECTION 14 Transport information**

# Labels Required



HAZCHEM

Marine Pollutant

Not Applicable

## Land transport (ADG)

UN number or ID number	1950	1950		
UN proper shipping name	AEROSOLS	AEROSOLS		
Transport hazard class(es)	Class2.1Subsidiary riskNot Applicable			
Packing group	Not Applicable			
Environmental hazard	Environmentally hazardous			
Special precautions for user	Special provisions	63 190 277 327 344 381 1000ml		

# Air transport (ICAO-IATA / DGR)

UN number	1950			
UN proper shipping name	Aerosols, flammable			
Transport hazard class(es)	ICAO/IATA Class ICAO / IATA Subrisk ERG Code	2.1 Not Applicable 10L		
Packing group	Not Applicable			
Environmental hazard	Environmentally hazardous			
Special precautions for user	Special provisions         Cargo Only Packing Instructions         Cargo Only Maximum Qty / Pack         Passenger and Cargo Packing Instructions         Passenger and Cargo Maximum Qty / Pack		A145 A167 A802 203 150 kg 203 75 kg	
	Passenger and Cargo	Limited Quantity Packing Instructions	Y203	
	Passenger and Cargo Limited Maximum Qty / Pack		30 kg G	

# Sea transport (IMDG-Code / GGVSee)

UN number	1950	1950		
UN proper shipping name	AEROSOLS	AEROSOLS		
Transport hazard class(es)		2.1 Not Applicable		
Packing group	Not Applicable			
Environmental hazard	Marine Pollutant			
Special precautions for user	EMS Number Special provisions Limited Quantities	F-D, S-U 63 190 277 327 344 381 959 1000 ml		

# Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

## Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
heptane	Not Available
mineral oil	Not Available
paraffinic distillate, heavy, solvent-dewaxed (severe)	Not Available
hydrocarbon propellant	Not Available

## Transport in bulk in accordance with the IGC Code

Product name	Ship Type
heptane	Not Available
mineral oil	Not Available
paraffinic distillate, heavy, solvent-dewaxed (severe)	Not Available
hydrocarbon propellant	Not Available

## **SECTION 15 Regulatory information**

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

## heptane is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

## mineral oil is found on the following regulatory lists

Chemical Footprint Project - Chemicals of High Concern List International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC

Monographs - Not Classified as Carcinogenic

Chemical Footprint Project - Chemicals of High Concern List

#### paraffinic distillate, heavy, solvent-dewaxed (severe) is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC) Chemical Footprint Project - Chemicals of High Concern List

## hydrocarbon propellant is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

#### **National Inventory Status**

National Inventory	Status		
Australia - AIIC / Australia Non-Industrial Use	No (mineral oil)		
Canada - DSL	No (mineral oil)		
Canada - NDSL	No (heptane; mineral oil; paraffinic distillate, heavy, solvent-dewaxed (severe); hydrocarbon propellant)		
China - IECSC	No (mineral oil)		
Europe - EINEC / ELINCS / NLP	No (mineral oil)		
Japan - ENCS	Yes		
Korea - KECI	No (mineral oil)		
New Zealand - NZIoC	No (mineral oil)		
Philippines - PICCS	No (mineral oil)		
USA - TSCA	No (mineral oil)		
Taiwan - TCSI	No (mineral oil)		
Mexico - INSQ	No (mineral oil)		
Vietnam - NCI	No (mineral oil)		
Russia - FBEPH	No (mineral oil)		
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.		

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

Revision Date	31/10/2022
Initial Date	12/10/2022

#### **SDS Version Summary**

Version	Date of Update	Sections Updated
2.1	12/10/2022	Toxicological information - Acute Health (eye), Toxicological information - Acute Health (inhaled), Toxicological information - Acute Health (skin), Toxicological information - Acute Health (swallowed), First Aid measures - Advice to Doctor, Physical and chemical properties - Appearance, Toxicological information - Chronic Health, Hazards identification - Classification, Disposal considerations - Disposal, Exposure controls / personal protection - Engineering Control, Ecological Information - Environmental, Exposure controls / personal protection - Engineering Control, Ecological Information - Environmental, Exposure controls / personal protection - Exposure Standard, Firefighting measures - Fire Fighter (extinguishing media), Firefighting measures - Fire Fighter (fire fighting), First Aid (inhaled), First Aid (eye), First Aid measures - First Aid (inhaled), First Aid (eye), First Aid measures - First Aid (inhaled), First Aid measures - First Aid (skin), Handling and storage - Handling Procedure, Composition / information on ingredients - Ingredients, Stability and reactivity - Instability Condition, Exposure controls / personal protection - Personal Protection (eye), Exposure controls / personal Protection - Personal Protection (eye), Exposure controls / personal Protection - Personal Protection (eye), Exposure controls / personal protection - Personal Protection (eye), Exposure controls / personal protection - Personal Protection (eye), Exposure controls / personal protection - Personal Protection (eye), Exposure controls / personal protection - Personal Protection (eye), Handling and storage - Spills (minor), Handling and storage - Storage (suitable container), Identification of the substance / mixture and of the company / undertaking - Supplier Information, Identification of the substance / mixture and of the company / undertaking - Use, Name

Version No: 2.1

## **CRC Auto Belt Dressing**

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### **Definitions and abbreviations**

PC-TWA: Permissible Concentration-Time Weighted Average PC-STEL: Permissible Concentration-Short Term Exposure Limit IARC: International Agency for Research on Cancer ACGIH: American Conference of Governmental Industrial Hygienists STEL: Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit。 IDLH: Immediately Dangerous to Life or Health Concentrations ES: Exposure Standard OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value BCF: BioConcentration Factors **BEI: Biological Exposure Index** AIIC: Australian Inventory of Industrial Chemicals DSL: Domestic Substances List NDSL: Non-Domestic Substances List IECSC: Inventory of Existing Chemical Substance in China EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances NLP: No-Longer Polymers ENCS: Existing and New Chemical Substances Inventory KECI: Korea Existing Chemicals Inventory NZIoC: New Zealand Inventory of Chemicals PICCS: Philippine Inventory of Chemicals and Chemical Substances TSCA: Toxic Substances Control Act TCSI: Taiwan Chemical Substance Inventory INSQ: Inventario Nacional de Sustancias Químicas NCI: National Chemical Inventory

FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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