

Castrol Magnatec Stop-Start 0W-30 C2

In accordance with Industrial Safety and Health Act

Section 1. Chemical product and company identification

Castrol Magnatec Stop-Start 0W-30 C2 **Product name**

469485-BE02 Code SDS no. 469485

BP Korea Ltd. Supplier

19F., 302, Teheran-ro, Gangnam-qu, Seoul, 06210

Republic of Korea

Tel: +82 -1577-1904

EMERGENCY TELEPHONE

NUMBER

Carechem: +65 3158 1074 (24/7)

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/ Engine Oils.

mixture For specific application advice see appropriate Technical Data Sheet or consult our

company representative.

Section 2. Hazards identification

GHS Classification Not classified.

GHS label elements, including precautionary statements

Signal word No signal word.

Hazard statements No known significant effects or critical hazards.

Precautionary statements

Prevention Not applicable. Response Not applicable. **Storage** Not applicable. **Disposal** Not applicable. Other hazards which do not Defatting to the skin. result in classification **USED ENGINE OILS**

Used engine oil may contain hazardous components which have the potential to

cause skin cancer.

See Toxicological Information, section 11 of this Safety Data Sheet.

Section 3. Composition/information on ingredients

Substance/mixture Mixture

Highly refined base oil (IP 346 DMSO extract < 3%). Proprietary performance additives.

Hazardous ingredients

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Section 3. Composition/information on ingredients

Ingredient name	Synonym	CAS number	%
Distillates (petroleum), hydrotreated heavy paraffinic	Baseoil - unspecified; Distillates, petroleum, hydrotreated heavy paraffinic; Mineral oil, petroleum distillates, hydrotreated heavy paraffinic; Distillates (petroleum), hydro-treated heavy paraffinic; Paraffin oil; HYDROTREATED HEAVY PARAFFINIC DISTILLATE; DISTILLATES (PETROLEUM) HYDROFVLD; Distillates (petroleum), hydrotreated heavy paraffinic, Baseoil -	64742-54-7	67.9239
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	unspecified Dec-1-ene, oligomers, hydrogenated; 1-Decene, homopolymer, hydrogenated; Hydrogenated polydecene; E 907; hydrogenated poly- 1-decene; hydrogenated polydec-1-ene; hydrogenated poly-alpha- olefin; 1-Decene, hydrogenated; PAO 8 cSt; PAO 6 cSt; PAO 4 cSt; Hydrogenated decene homopolymer; 1-Decene Homopolymer; 1-Decene Homopolymer, hydrogenated; Hydrogenation products of dec-1-ene polymer; Hydrogenation reaction products of polymer of dec- 1-ene; Hydrogenated	68037-01-4	10
Distillates (petroleum), solvent-dewaxed heavy paraffinic	polymer of dec-1-ene Baseoil - unspecified; Distillates, petroleum, solvent dewaxed heavy paraffinic; Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic; Paraffin oil; Distillates, petroleum, solvent-dewaxed heavy paraffinic; Distillate (Pet.) solvent-dewaxed heavy paraffinic; SOLVENT REFINED PARAFFINIC MINERAL OIL; OILS, PARAFFINIC, HEAVY, SOLVENT DEWAXED; Solvent dewaxed heavy	64742-65-0	3.73999

(ENGLISH)

Section 3. Composition/information on ingredients paraffinic petroleum oil: **PARAFFINIC PETROLEUM DISTILLATES**; Distillates (petroleum), solventdewaxed heavy paraffinic, Baseoil - unspecified Lubricating oils (petroleum), C15-30, Baseoil - unspecified; 72623-86-0 1.4995 hydrotreated neutral oil-based Lubricating oils, petroleum, C15-30, hydrotreated neutral oil based; Paraffin oil; Lubricating oils (petroleum), C15-C30, hydrotreated neutral oilbased; Lubricating oils, petroleum, C15-30-hydrotreated neutral oil-based; Lubricating oils (petroleum), (C=15-30), hydrotreated neutral oil-based; OILS, LUBRICATING (PETROLEUM) **HYDROTREATED NEUTRAL OIL-BASED** C15-30; Lubricating oils (petroleum), C15-30, hydrotreated neutral oilbased, Baseoil - unspecified Lubricating oils (petroleum), C20-50, Baseoil - unspecified; 72623-87-1 1.4995 hydrotreated neutral oil-based Lubricating oils, petroleum, C20-50, hydrotreated neutral oil based; Lubricating oils, petroleum, C20-50-hydrotreated neutral oil-based; Lubricating oils (petroleum), (C=20-50) hydrotreated neutral oil-based; Lubricating oils (petroleum), C20-50 hydrotreated neutral oil based; OILS, **LUBRICATING** (PETROLEUM) C20-50, **HYDROTREATED** NEUTRAL OIL-BASED; Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil unspecified; Lubricating oils, petroleum, C20-50, hydrotreated neutral oilbased bis(nonylphenyl)amine Benzenamine, ar-nonyl-N-36878-20-3 1.1904 (nonylphenyl)-; nonyl-N-(nonylphenyl)aniline; bis (nonylphenyl)amine,

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dinonyldiphenylamine;

	Reaction products of	
	Benzeneamine, N-phenyl-	
	with nonene (branched);	
	TK 40193; Bis(nonan-	
	1-ylphenyl)amine; p,p'-	
	Dialkyl(C8-9)	
	diphenylamine; N,N-	
	bisoctyl (or nonyl)	
	phenylamine; ar-Nonyl-N-	
	(nonylphenyl)benzenamine;	
	ANILINE, AR-NONYL-N-	
	(NONYLPHENYL)-;	
	diphenylamine, dinonyl	
Nickel	- 7440-02-0	0.000055

Non-hazardous ingredients

Ingredient name	Synonym	CAS number	%
Trade secret.	Trade secret.	Trade secret.	3.72 - 5.58
Trade secret.	Trade secret.	Trade secret.	1.86 - 3.72
Trade secret.	Trade secret.	Trade secret.	0.93 - 1.86
Trade secret.	Trade secret.	Trade secret.	0.5 - 1
Trade secret.	Trade secret.	Trade secret.	0.196 - 0.94499
Trade secret.	Trade secret.	Trade secret.	0.196 - 0.94499
Trade secret.	Trade secret.	Trade secret.	0.186 - 0.93
Trade secret.	Trade secret.	Trade secret.	0.186 - 0.93
Trade secret.	Trade secret.	Trade secret.	0.74074
Trade secret.	Trade secret.	Trade secret.	0.7304 - 0.73539
Trade secret.	Trade secret.	Trade secret.	0.7254
Trade secret.	Trade secret.	Trade secret.	0.7254
Trade secret.	Trade secret.	Trade secret.	0.6
Trade secret.	Trade secret.	Trade secret.	0.2046
Trade secret.	Trade secret.	Trade secret.	0.186
Trade secret.	Trade secret.	Trade secret.	0.0186 - 0.186
Trade secret.	Trade secret.	Trade secret.	0.0186 - 0.186
Trade secret.	Trade secret.	Trade secret.	0.0186 - 0.186
Trade secret.	Trade secret.	Trade secret.	0.1674

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
Inhalation	If inhaled, remove to fresh air. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention if symptoms occur.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Section 4. First aid measures

Indication of immediate medical attention and special treatment needed, if necessary

No specific treatment. Specific treatments

Notes to physician Treatment should in general be symptomatic and directed to relieving any effects.

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training.

Section 5. Firefighting measures

Extinguishing media

Suitable In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

Not suitable Do not use water jet.

Specific hazards arising

from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products Combustion products may include the following:

carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide)

nitrogen oxides (NO, NO₂ etc.)

Special protective equipment for fire-fighters Fire-fighters should wear positive pressure self-contained breathing apparatus

(SCBA) and full turnout gear.

Special protective actions for fire-fighters

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if

there is a fire.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.

Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Small spill Stop leak if without risk. Move containers from spill area. Absorb with an inert

material and place in an appropriate waste disposal container. Dispose of via a

licensed waste disposal contractor.

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, Large spill

water courses, basements or confined areas. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a

licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Advice on general occupational hygiene Put on appropriate personal protective equipment (see Section 8).

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See

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also Section 8 for additional information on hygiene measures.

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Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH TLV (United States). TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ACGIH TLV (United States). TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	ACGIH TLV (United States). TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2009 Form: Inhalable fraction
Nickel	Ministry of Employment and Labor (Republic of Korea). TWA: 1 mg/m³ 8 hours. Issued/Revised: 3/1997

Other ingredients including trade secret: not applicable

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal protective equipment

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Section 8. Exposure controls/personal protection

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Eye protection Safety glasses with side shields.

Hand protection Wear protective gloves if prolonged or repeated contact is likely. Wear chemical

resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the

working conditions.

Skin protection Use of protective clothing is good industrial practice.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist

before handling this product.

Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons

and/or impervious chemical suits and boots will be required.

Hygiene measures Wash hands, forearms and face thoroughly after handling chemical products, before

eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing.

Wash contaminated clothing before reusing. Ensure that eyewash stations and

safety showers are close to the workstation location.

Section 9. Physical and chemical properties

<u>Appearance</u>

Physical state Liquid.

Colour Amber. [Light]
Odour Not available.
Odour threshold Not available.
PH Not applicable.
Melting/freezing point Not available.
Boiling point/boiling range Not available.

Flash point Closed cup: 205.5°C (401.9°F) [Pensky-Martens.]

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Not applicable. Based on - Physical state

Lower and upper explosive

(flammable) limits

Not available.

Vapour pressureNot available.Solubilityinsoluble in water.Vapour densityNot available.Relative densityNot available.

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Section 9. Physical and chemical properties

<1000 kg/m3 (<1 g/cm3) at 15°C **Density**

Partition coefficient: n-

octanol/water

Not available.

Auto-ignition temperature Not available. **Decomposition temperature** Not available.

Kinematic: 52.64 mm²/s (52.64 cSt) at 40°C Viscosity

Kinematic: 9.5 to 12.5 mm²/s (9.5 to 12.5 cSt) at 100°C

Not applicable as it is a mixture Molecular weight

Section 10. Stability and reactivity

Chemical stability The product is stable.

Possibility of hazardous

Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerisation will not reactions

Conditions to avoid Avoid all possible sources of ignition (spark or flame).

Incompatible materials Reactive or incompatible with the following materials: oxidising materials.

Hazardous decomposition Under normal conditions of storage and use, hazardous decomposition products

products should not be produced.

Section 11. Toxicological information

Information on likely routes of Routes of entry anticipated: Dermal, Inhalation.

exposure

Acute toxicity

Inhalation Exposure to decomposition products may cause a health hazard. Serious effects

may be delayed following exposure.

Ingestion No known significant effects or critical hazards.

Skin contact Defatting to the skin. May cause skin dryness and irritation.

Eye contact No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation No specific data. Ingestion No specific data.

Skin Adverse symptoms may include the following:

> irritation dryness cracking

Eyes No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Product/ingredient Test **Species** Result **Exposure** Remarks

name

Not available.

Irritation/Corrosion

Product/ingredient name Test authority / Test Species Route / Result Conc. Remarks

number

Not available for product and all ingredients.

Skin corrosion or irritation

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Section 11. Toxicological information

Not available for product

and all ingredients.

Serious eye damage/eye

Respiratory Irritation

irritation

Not available for product

and all ingredients.

Not available for product

and all ingredients.

Sensitisation

Respiratory Sensitisation

Not available for product

and all ingredients.

Skin Sensitisation

Not available for product and all ingredients.

Product/ingredient name	Route of exposure	Species	Result	Remarks
Not available for product and all ingredients.	·			

CMR - ISHA Article 42 Public Notice No 2016-41 Occupational Exposure Limits

Product/ingredient name	CAS number	Classification
Nickel	7440-02-0	CARCINOGENICITY - Category 2

Carcinogenicity

Not available for product and all ingredients.

Germ cell mutagenicity

Not available for product and all ingredients.

Reproductive toxicity

Product/ Test detail Species Exposure Developmental Maternal Fertility Remarks ingredient name toxin toxicity

Not available for product

Not available for product and all ingredients.

Teratogenicity
No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available for product and all ingredients.

Specific target organ toxicity (repeated exposure)

Name Category Route of Target organs

exposure

Nickel Category 1 - -

Potential chronic health effects

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Section 11. Toxicological information

General USED ENGINE OILS

Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and a

high standard of personal hygiene maintained.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Mutagenicity

<u>Aspiration hazard</u>

Carcinogenicity

Name Result

Distillates (petroleum), hydrotreated heavy paraffinic

Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers,

ASPIRATION HAZARD - Category 1

ASPIRATION HAZARD - Category 1

hydrogenated

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based ASPIRATION HAZARD - Category 1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based ASPIRATION HAZARD - Category 1

Other information Not available.

Section 12. Ecological information

Ecotoxicity No known significant effects or critical hazards.

Persistence/degradability

Expected to be biodegradable.

Mobility in soil Spillages may penetrate the soil causing ground water contamination.

Bioaccumulative potential This product is not expected to bioaccumulate through food chains in the

environment.

Other adverse effects No known significant effects or critical hazards.

Other ecological information Spills may form a film on water surfaces causing physical damage to organisms.

Oxygen transfer could also be impaired.

Section 13. Disposal considerations

Disposal methodsThe generation of waste should be avoided or minimised wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or

landfill should only be considered when recycling is not feasible.

Disposal precautionsThis material and its container must be disposed of in a safe way. Empty containers

or liners may retain some product residues. Avoid dispersal of spilt material and

runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

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Section 14. Transport information

	IMDG	IATA
A. UN number	Not regulated.	Not regulated.
B. UN proper shipping name	-	-
C. Transport hazard class(es)	-	-
D. Packing group	-	-
E. Environmental hazards	No.	No.
F. Additional information	-	-

Special precautions for user Not available.

Section 15. Regulatory information

Regulation according to ISHA

ISHA article 117 (Harmful substances prohibited from manufacture)

None of the components are listed.

ISHA article 118 (Harmful substances requiring permission)

None of the components are listed.

Exposure Limits of Chemical Substances and Physical Factors

The following components have an OEL:

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Nickel

ISHA Enforcement Regs Annex 19 (Exposure standards established for harmful factors)

The following components are listed: Nickel and its insoluble inorganic compounds

ISHA Enforcement Regs Annex 21 (Harmful factors

subject to Work **Environment**

Measurement)

ISHA Enforcement Regs Annex 22 (Harmful Factors Subject to Special Health Check-up)

Standard of Industrial **Safety and Health Annex** 12 (Hazardous substances subject to control)

None of the components are listed.

The following components are listed: metal working fluids: oil mist, mineral, metal working fluids: oil mist, mineral, metal working fluids: oil mist, mineral, metal working

fluids: oil mist, mineral

None of the components are listed.

Regulation according to Chemicals Control Act

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Section 15. Regulatory information

CCA Article 20 Toxic Chemicals (K-Reach

Article 20)

None of the components are listed.

Not applicable

CCA Article 18 Prohibited

(K-Reach Article 27)

CCA Article 20 Restricted

(K-Reach Article 27)

Dangerous Materials

CCA Article 11 (TRI)

CCA Article 39 (Accident Precaution Chemicals)

Safety Management Act

None of the components are listed.

None of the components are listed. None of the components are listed.

Class: Class 4 - Flammable Liquid Item: 6. Class 4 petroleums

Threshold: 6000 L Danger category: III

Signal word: Contact with sources of ignition prohibited

Wastes regulation Designated Waste

Regulation according to other foreign laws

Australia inventory (AICS) All components are listed or exempted. Canada inventory All components are listed or exempted. **China inventory (IECSC)** All components are listed or exempted.

REACH Status For the REACH status of this product please consult your company contact, as

identified in Section 1.

Japan inventory (ENCS) All components are listed or exempted. **Korea inventory (KECI)** All components are listed or exempted.

Philippines inventory

(PICCS)

At least one component is not listed.

Taiwan inventory (TCSI) All components are listed or exempted. **United States inventory** All components are active or exempted.

(TSCA 8b)

Section 16. Other information

History

Source of Information

Sources of key data used to compile the Safety Data Sheet: Hazard assessment review data, toxicological reviews, and product physical properties; component supplier hazard communication data; and other publically available resources.

Date first prepared Number of revisions and date of last revision

Prepared by

04/10/2021.

05/10/2021

Product Stewardship

Key to abbreviations AMP = Acceptable Maximum Peak

ACGIH = American Conference of Governmental Industrial Hygienists, an agency

that promulgates exposure standards.

ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail ADG Code = Australian Code for the Transport of Dangerous Goods by Road and

CAS Number = Chemical Abstracts Service Registry Number

HAZCHEM Code = Emergency action code of numbers and letters which gives information to emergency services. Its use is required by the ADG Code for

Dangerous Goods in bulk.

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Section 16. Other information

ICAO = International Civil Aviation Organization.

IATA = International Air Transport Association, the organization promulgating rules governing shipment of goods by air.

IMDG = International Maritime Organization Rules, rules governing shipment of goods by water.

IP 346 = A chemical screening assay for dermal toxicity. The European Commission has recommended that Method IP 346 be used as the basis for labelling certain lubricant oil base stocks for carcinogenicity. The EU Commission has stipulated that 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. (See Note L, European Commission Directive 67/548/EEC as amended and adapted.) DMSO is a solvent.

NOHSC = National Occupational Health & Safety Commission, Australia REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]

TWA = Time weighted average

STEL = Short term exposure limit

UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.

TCCA = Toxic Chemical Control Act

GHS = Global Harmonized System

ISHA = Industrial Safety and Health Act

Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

▼ Indicates information that has changed from previously issued version.

Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from BP Group.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the BP Group to ensure that this document is the most current available. Alteration of this document is strictly prohibited.

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