SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

MG RED SHIFT SP 0W20 C5 GF-6A SUPER COMBO

Creation date	25th August 2026	Version	2

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

1.1. Product identifier — MG RED SHIFT SP 0W20 C5 GF-6A SUPER COMBO

Substance / mixture — mixture

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

Mixture's intended use

Engine oil

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Name or trade name	Mgredshift Global Handelsbolag
Address	Nävlinge 2504C, Nävlinge, Nävlinge Sweden
Phone	0046738752921
Email	info@mgredshift.se

Competent person responsible for the safety data sheet

Name	Mgredshift Global Handelsbolag
Email	info@mgredshift.se

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Aquatic Chronic 3, H412

Most serious adverse effects on human health and the environment

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard statements

H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.
P280	Wear protective gloves.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 Registration number: 01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic	55-65	not classified as dangerous	1, 3
Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 Registration number: 01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic	<3	not classified as dangerous	1, 3

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 649-465-00-7 CAS: 64742-52-5 EC: 265-155-0 Registration number: 01-2119467170-45	Distillates (petroleum), hydrotreated heavy naphthenic	2.4-2.8	not classified as dangerous	1, 3
Index: 649-483-00-5 CAS: 72623-87-1 EC: 276-738-4 Registration number: 01-2119474889-13-XXXX	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	<2	not classified as dangerous	1, 2, 3
CAS: 68784-26-9 EC: 701-251-5 Registration number: 01-2119524004-56-XXXX	Fenol, prod. para- alkilowania za pomocą rozgałęzionych C10-C15 olefin (bogatych w C12) uzyskanych na skutek oligomeryzacji propenu, węglany, sole wapniowe, nadzasadowy, siarkowany uwzględniający destylację dest. (ropa naftowa), hydrorafinowany rozpuszczalnikowo/odparafnowany, kat. odparafinowany, łagodnie/mocno parafinowany C15-C20	<1.5	Aquatic Chronic 4, H413	
Index: 649-468-00-3 CAS: 64742-55-8 EC: 265-158-7 Registration number: 01-2119487077-29-XXXX	Distillates (petroleum), hydrotreated light paraffinic	<0.5	not classified as dangerous	1, 3
Index: 649-469-00-9 CAS: 64742-56-9 EC: 265-159-2 Registration number: 01-2119480132-48-XXXX	Distillates (petroleum), solvent-dewaxed light paraffinic	<0.5	not classified as dangerous	1, 3
Index: 604-092-00-9 CAS: 74499-35-7	pochodne (tetrapropenylo) fenolu	<0.05	Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	
Index: 612-026-00-5 CAS: 122-39-4 EC: 204-539-4	diphenylamine	<0.05	Acute Tox. 3, H301+H311+H331 STOT RE 2 (**), H373 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	

Notes

** *another exposure route cannot be ruled out*

1 *Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.*

2 *A substance for which exposure limits are set.*

3 *Fulfilled Note L*

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

Not expected.

If swallowed

Not expected.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union **Directive (EU) 2024/869 of the European Parliament and of the Council**

Substance name (component)	Type	Value
Lubricating oils (petroleum), C20−50, hydrotreated neutral oil−based (CAS: 72623−87−1)	OEL 8 hours	5 mg/m³

DNEL

Distillates (petroleum), hydrotreated heavy paraffinic			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	2.7 mg/m³	Chronic effects systemic
Workers	Inhalation	5.4 mg/m³	Chronic effects local
Consumers	Inhalation	1.2 mg/m³	Chronic effects local
Consumers	Oral	0.74 mg/kg	Chronic effects systemic
Consumers	Dermal	1.0 mg/kg	Chronic effects systemic

8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

It is not needed.

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Contaminated skin should be washed thoroughly.

Glove material	Thickness	Breakthrough time	Class
Neoprene (CR)	≥ 0.7 mm	>480 min	6

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	data not available
Odour	data not available
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	≥210 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	42 mm²/s at 40 °C
Solubility in water	insoluble
Solubility in fats	soluble in organic solvents and liquid hydrocarbons
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Oxidising properties	not show

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Hazardous substances in concentrations exceeding exposure limits may cause acute inhalation poisoning, depending on the concentration and duration of exposure. No toxicological data is available for the mixture.

Acute toxicity

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

MG RED SHIFT SP 0W20 C5 GF-6A SUPER COMBO						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	ATE		317460 mg/kg			
Dermal	ATE		952381 mg/kg			
Inhalation (vapor)	ATE		9524 mg/l			

Distillates (petroleum), hydrotreated heavy paraffinic						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD_{50}	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD_{50}	OECD 402	>5000 mg/kg		Rabbit	
Inhalation	LD_{50}	OECD 403	5.53 mg/l	4 hours	Rat (Rattus norvegicus)	
Oral	LD_{50}		>5000 mg/kg		Rat (Rattus norvegicus)	
Skin	LD_{50}		>3000 mg/kg		Rabbit	

Distillates (petroleum), solvent-dewaxed light paraffinic						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Inhalation	LC_{50}	OECD 403	>2.18 mg/l	4 hours	Rat (Rattus norvegicus)	
Dermal	LD_{50}	OECD 402	>5000 mg/kg		Rabbit	
Oral	LD_{50}	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)	

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD_{50}		>5000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD_{50}		>2000 mg/kg		Rabbit	

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Inhalation (vapor)	LC_{50}		>5.53 mg/kg	4 hours	Rat (Rattus norvegicus)	

Skin corrosion/irritation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Serious eye damage/irritation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Respiratory or skin sensitisation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - repeated exposure

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Repeated dose toxicity

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based							
Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex
Oral	LOAEL		OECD 408	125 mg/kg		Rat (Rattus norvegicus)	
Skin	NOAEL		OECD 410	1000 mg/kg		Rabbit	
Inhalation (vapor)	NOAEL		OECD 412	980 mg/m³	4 weeks	Rat (Rattus norvegicus)	

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

not available

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Acute toxicity

Distillates (petroleum), hydrotreated heavy paraffinic					
Parameter	Method	Value	Exposure time	Species	Environment
LL_{50}	OECD 203	>100 mg/l	96 hours	Fish (Pimephales promelas)	
CE_{50}	OECD 202	>1000 mg/kg	48 hours	Daphnia (Daphnia magna)	
CE_{50}	OECD 201	>100 mg/kg	72 hours	Algae (Pseudokirchneriella subcapitata)	
NOEC	OECD 201	100 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

Distillates (petroleum), solvent-dewaxed light paraffinic					
Parameter	Method	Value	Exposure time	Species	Environment
EL_{50}		>10000 mg/ml	48 hours	Daphnia (Daphnia magna)	
LL_{50}		>100 mg/l	96 hours	Fish (Pimephales promelas)	

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based					
Parameter	Method	Value	Exposure time	Species	Environment
EL_{50}		>10000 mg/l	48 hours	Crustaceans (Daphnia magna)	
LL_{50}		>100 mg/l	96 hours	Fish (Pimephales promelas)	

Chronic toxicity

Distillates (petroleum), hydrotreated heavy paraffinic					
Parameter	Method	Value	Exposure time	Species	Environment
NOEC	OECD 211	10 mg/l	21 days	Daphnia (Daphnia magna)	

Distillates (petroleum), solvent-dewaxed light paraffinic					
Parameter	Method	Value	Exposure time	Species	Environment
NOEL		≥100 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	
NOEL		10 mg/l	21 days	Daphnia (Daphnia magna)	
NOEL		≥1000 mg/l	14 days	Fish (Oncorhynchus mykiss)	

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based					
Parameter	Method	Value	Exposure time	Species	Environment
NOEL		≥100 mg/l	72 hours	Algae (Raphidocelis subcapitata)	
NOEL		10 mg/l	21 days	Crustaceans (Daphnia magna)	
NOEL		≥1000 mg/l	14 days	Fish (Oncorhynchus mykiss)	

12.2. Persistence and degradability

No data are available for either the mixture or the components.

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H360F	May damage fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Guidelines for safe handling used in the safety data sheet

P273	Avoid release to the environment.
P280	Wear protective gloves.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	Agreement concerning the international carriage of dangerous goods by road
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
ATE	Acute toxicity estimate
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EINECS	European Inventory of Existing Commercial Chemical Substances
EL_{50}	Effective Loading for 50 % of the tested organisms
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EU	European Union
EuPCS	European Product Categorisation System
Eye Dam.	Serious eye damage
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
LL_{50}	Lethal Loading for 50 % of tested organisms
LOAEL	Lowest observed adverse effect level
log Kow	Octanol-water partition coefficient
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.	Reproductive toxicity
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.	Skin corrosion
STOT RE	Specific target organ toxicity - repeated exposure
UN number	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative

vPvM Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.