Engine Performance Booster

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 11-02-2014 Revision date: 03-07-2014 Supersedes: 11-02-2014 Version: 1.2

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

1.1. Product identifier

Product form : Mixture

Product name : Engine Performance Booster

Product code : 51132

Type of product : Lubricant

Product group : Engine oil (lubricant)

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

1.2.1. Relevant identified uses

Main use category : Engine oil (lubricant)

Industrial/Professional use spec : For professional use only

Use of the substance/mixture : This oil should not be used for any other purpose than the intended use without expert advice.

Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rymax B.V.
Delweg 8
6902 PJ Zevenaar - The Netherlands

1.4. Emergency telephone number

Emergency number : +31 (0)316 740 856

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH phrases : EUH210 - Safety data sheet available on request
EUH208 - Contains Calcium long chain alkaryl sulphonate(68610-84-4). May produce an allergic reaction

2.3. Other hazards

Other hazards not contributing to the classification : Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Comments : Mixture of synthetic base oils (PCA-content < 3% - IP 346) and additives.

This product is not considered to be hazardous

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 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Distillates (petroleum), hydrotreated heavy paraffinic substance with a Community workplace exposure limit	(CAS No) 64742-54-7 (EC no) 265-157-1 (EC index no) 649-467-00-8	10 - 25	Not classified
Highly refined mineral oils substance with a Community workplace exposure limit		1 - 5	Not classified
Polyolefine polyamine succinimide, Polyol		1 - 5	R53

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Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries : After adequate first aid, no further treatment is required unless symptoms reappear.

Symptoms/injuries after inhalation : After adequate first aid, no further treatment is required unless symptoms reappear.

Symptoms/injuries after skin contact : After adequate first aid, no further treatment is required unless symptoms reappear.

Symptoms/injuries after eye contact : After adequate first aid, no further treatment is required unless symptoms reappear.

Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

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

If injected under the skin when using high pressure equipment, send casualty immediately to a hospital, even when there are few or no symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Eliminate all ignition sources if safe to do so.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Wear suitable protective clothing, gloves and eye/face protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 50 °C

Storage area : Store away from heat. Store in a well-ventilated place.

Special rules on packaging : Keep only in original container. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Highly refined mineral oils		
EU	IOELV TWA (mg/m³)	5 mg/m³ 8 HRS
Austria	MAK (mg/m³)	5 mg/m³
Belgium	Limit value (mg/m³)	5 mg/m³ 8 HRS
Belgium	Short time value (mg/m³)	10 mg/m³ 15 MIN
Bulgaria	OEL TWA (mg/m³)	5 mg/m³ 8 HRS
Czech Republic	Expoziční limity (PEL) (mg/m³)	10 mg/m³
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	5 mg/m³ 8 HRS
Denmark	Grænseværdie (langvarig) (mg/m³)	1
Denmark	Grænseværdie (kortvarig) (mg/m³)	2 mg/m³
Finland	HTP-arvo (8h) (mg/m³)	5 mg/m³ 8 Hrs
Greece	OEL TWA (mg/m³)	5 mg/m³ 8 hrs
Hungary	AK-érték	< 5 mg/m³
Hungary	CK-érték	0 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	5 mg/m³ 8 Hrs
Italy	OEL STEL (mg/m³)	10 mg/m³
Latvia	OEL TWA (mg/m³)	5 mg/m³ 8 Hrs
Lithuania	IPRV (mg/m³)	3 mg/m³ 15 min
Lithuania	TPRV (mg/m³)	1 mg/m³ 8 Hrs
Netherlands	Grenswaarde TGG 8H (mg/m³)	5 mg/m³ 8 Hrs
Poland	NDS (mg/m³)	5 mg/m³ 8 hrs
Poland	NDSP (mg/m³)	10 mg/m³ 15 minutes
Portugal	OEL TWA (mg/m³)	5 mg/m³ 8 Hrs
Portugal	OEL STEL (mg/m³)	10 mg/m³
Romania	OEL TWA (mg/m³)	5 mg/m³ 8 Hrs
Romania	OEL STEL (mg/m³)	10 mg/m³ 15 min
Slovakia	NPHV (priemerná) (mg/m³)	5 mg/m³ 8 hrs
Spain	VLA-ED (mg/m³)	5 mg/m³ 8 Hrs
Spain	VLA-EC (mg/m³)	10 mg/m³ 15 min
Sweden	nivågränsvärde (NVG) (mg/m³)	1 mg/m³

Highly refined mineral oils		
Sweden	kortidsvärde (KTV) (mg/m³)	3 mg/m³
United Kingdom	WEL TWA (mg/m³)	5 mg/m³ 8 Hrs
Norway	Gjennomsnittsverdier (AN) (mg/m³)	1 mg/m³
Australia	TWA (mg/m³)	5 mg/m³ 8 Hrs
Canada (Quebec)	VECD (mg/m³)	10 mg/m³
Canada (Quebec)	VEMP (mg/m³)	5 mg/m³
USA - ACGIH	ACGIH TWA (mg/m³)	>=
USA - ACGIH	ACGIH STEL (mg/m³)	10 mg/m³
USA - OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
EU	IOELV TWA (mg/m³)	5 mg/m³
Belgium	Limit value (mg/m³)	5 mg/m³
USA - ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
USA - ACGIH	ACGIH STEL (mg/m³)	10 mg/m³
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m³
USA - NIOSH	NIOSH REL (STEL) (mg/m³)	10 mg/m³

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure. Insulated gloves. Safety glasses. Protective clothing.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Wear respiratory protection.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Characteristics.

Colour : light yellow.

Odour : characteristic.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : -36 °C

Boiling point : No data available

Flash point : 201 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Non flammable

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 856.6 kg/m³ @15°C

Solubility : Insoluble in water.

Log Pow : No data available

Viscosity, kinematic : 85 mm²/s @40°C

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2. Other information

Other properties : See Product Data Sheet for detailed information.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Highly refined mineral oils	
LD50 oral (rat)	> 5000 mg/kg bodyweight OECD 401
LD50 dermal (rabbit)	> 5000 mg/kg bodyweight OECD 402
LC50 inhalation (rat) (mg/l)	> 5 mg/l/4h OECD 403

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LD50 oral (rat)	5000 mg/kg
LD50 dermal (rabbit)	2000 mg/kg
LC50 inhalation (rat) (mg/l)	5.53 mg/l/4h
LC50 inhalation (rat) (ppm)	> 20 ppm/1h

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Highly refined mineral oils	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight/day OECD TG 408

Aspiration hazard : Not classified

BORTEC Friction Fighter (51132)	
Viscosity, kinematic	85 mm²/s @40°C

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Highly refined mineral oils	
LC50 fishes 1	> 100 LL 50
EC50 Daphnia 1	> 10000 mg/l WAF, 48H (OECD 202)

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
EC50 Daphnia 1	10000 mg/l

12.2. Persistence and degradability

BORTEC Friction Fighter (51132)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

BORTEC Friction Fighter (51132)	
Bioaccumulative potential	Not established.

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Log Kow	> 4

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. See Directive 2001/118/EC.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR)	:	Not applicable
Packing group (IMDG)	:	Not applicable
Packing group (IATA)	:	Not applicable
Packing group (ADN)	:	Not applicable
Packing group (RID)	:	Not applicable

14.5. Environmental hazards

Dangerous for the environment	:	No
Marine pollutant	:	No
Other information	:	No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

14.6.2. Transport by sea

14.6.3. Air transport

14.6.4. Inland waterway transport

Not subjected to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

15.1.2. National regulations

Germany

Water hazard class (WGK) : 1 - slightly hazardous to water

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources	:	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	:	None.

Full text of R-, H- and EUH-phrases:

Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
H413	May cause long lasting harmful effects to aquatic life
R53	May cause long-term adverse effects in the aquatic environment

SDS EU (REACH Annex II)

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