



SAFETY DATA SHEET

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

Spec Gas SJ 10W/40

Creation date 10th March 2023
Revision date Version 1.0

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

- 1.1. Product identifier**
Substance / mixture Spec Gas SJ 10W/40 mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Engine Oils.
For specific application advice see appropriate Technical Data Sheet or consult our company representative.
Mixture uses advised against
Not defined.
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
Name or trade name SPECOL Sp. z o.o.
Address ul. Kluczborska 31, Chorzów, 41-508
Poland
VAT Reg No PL6272453121
Phone 32 245 91 33
E-mail info@specol.com.pl
Web address www.specol.com.pl
- Competent person responsible for the safety data sheet**
Name SPECOL Sp. z o.o.
E-mail info@specol.com.pl
- 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 not classified as dangerous according to Regulation (EC) No 1272/2008.
Full text of all classifications and hazard statements is given in the section 16.
- 2.2. Label elements**
none
- 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.

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 | Distillates (petroleum), hydrotreated heavy paraffinic | >60 | not classified as dangerous | |
| Index: 649-474-00-6 CAS: 64742-65-0 EC: 265-169-7 | Distillates (petroleum), solvent-dewaxed heavy paraffinic | 0,08-0,78 | Asp. Tox. 1, H304 | |
| CAS: 471-34-1 EC: 207-439-9 | calcium carbonate | 0,15-0,25 | not classified as dangerous | |

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



SAFETY DATA SHEET

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

Spec Gas SJ 10W/40

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Revision date

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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.

If on skin

Remove contaminated clothes.

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.

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

Accommodate extinguishing components to the location of fire.

Unsuitable extinguishing media

not available

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 chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

After removal of the product, wash the contaminated site with plenty of water.

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.

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.



SAFETY DATA SHEET

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

Spec Gas SJ 10W/40

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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.

DNEL

Distillates (petroleum), solvent-dewaxed heavy paraffinic

| Workers / consumers | Route of exposure | Value | Effect | Value determination | Source |
|---------------------|-------------------|-----------------------|-----------------------|---------------------|--------|
| Workers | Inhalation | 5.4 mg/m ³ | Chronic effects local | | |
| Consumers | Inhalation | 1.2 mg/m ³ | Chronic effects local | | |

PNEC

Distillates (petroleum), solvent-dewaxed heavy paraffinic

| Route of exposure | Value | Value determination | Source |
|-------------------|------------|---------------------|--------|
| Oral | 9.33 mg/kg | | |

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

When handling in long-term or repeatedly, use protective gloves.

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

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 | 225 °C |
| Auto-ignition temperature | data not available |
| Decomposition temperature | data not available |
| pH | data not available |
| Kinematic viscosity | 90 mm ² /s at 40 °C |
| Solubility in water | data not available |
| Partition coefficient n-octanol/water (log value) | data not available |
| Vapour pressure | data not available |
| Density and/or relative density | |
| Density | 0,860-0,870 g/cm ³ at 15 °C |
| Relative vapour density | data not available |
| Particle characteristics | data not available |
| Form | data not available |



SAFETY DATA SHEET

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

Spec Gas SJ 10W/40

Creation date 10th March 2023
Revision date Version 1.0

Benzenamine, ar-nonyl-N-(nonylphenyl)- (CAS: 36878-20-3) liquid
Benzenamine, ar-nonyl-N-(nonylphenyl)- (CAS: 36878-20-3) solid: bulk
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (CAS: 70024-69-0) liquid
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (CAS: 70024-69-0) solid: bulk
Distillates (petroleum), hydrotreated light paraffinic (CAS: 64742-55-8) liquid
Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0) liquid
Molybdenum polysulphide long chain alkyl dithiocarbamate complex liquid
Zinc, bis[O-(6-methylheptyl) O-(1-methylpropyl) phosphorodithioato-S,S']-, (T-4)- (CAS: 93819-94-4) liquid
Zinc, bis[O-(6-methylheptyl) O-(1-methylpropyl) phosphorodithioato-S,S']-, (T-4)- (CAS: 93819-94-4) solid: bulk

9.2. Other information

not available

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

calcium carbonate

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Sex |
|-------------------|------------------|--------|----------------|---------------|-------------------------|-----|
| Oral | LD ₅₀ | | >2000 mg/kg bw | | Rat (Rattus norvegicus) | F |
| Skin | LD ₅₀ | | >2000 mg/kg bw | | Rat (Rattus norvegicus) | |
| Inhalation | LC ₅₀ | | >3 mg/l | 4 hours | Rat (Rattus norvegicus) | |



SAFETY DATA SHEET

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

Spec Gas SJ 10W/40

Creation date

10th March 2023

Revision date

Version

1.0

Distillates (petroleum), hydrotreated heavy paraffinic

| Route of exposure | Parameter | Method | Value | Exposure time | Species | Sex |
|-------------------|------------------|----------|------------|---------------|----------------------------------|-----|
| Inhalation | LC ₅₀ | OECD 403 | 5.53 mg/l | 4 hours | Rat (<i>Rattus norvegicus</i>) | |
| Skin | LD ₅₀ | OECD 402 | 5000 mg/kg | | Rabbit | |
| Oral | LD ₅₀ | OECD 401 | 5000 mg/kg | | Rat (<i>Rattus norvegicus</i>) | |

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Distillates (petroleum), hydrotreated heavy paraffinic

| Route of exposure | Result | Method | Exposure time | Species |
|-------------------|----------------|----------|---------------|---------|
| Dermal | Not irritating | OECD 404 | | Rabbit |
| Eye | Not irritating | OECD 405 | | Rabbit |

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Sensitization

Distillates (petroleum), hydrotreated heavy paraffinic

| Route of exposure | Result | Method | Exposure time | Species | Sex |
|-------------------|-----------------|----------|---------------|---|-----|
| Dermal | Not sensitizing | OECD 406 | | Guinea-pig (<i>Cavia aperea f. porcellus</i>) | |

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Mutagenicity

Distillates (petroleum), hydrotreated heavy paraffinic

| Result | Method | Exposure time | Specific target organ | Species | Sex |
|----------|----------|---------------|-----------------------|--|-----|
| Negative | OECD 471 | | | Bacteria (<i>Salmonella typhimurium</i>) | |
| Negative | OECD 473 | | | | |
| Negative | OECD 476 | | | | |
| Negative | OECD 474 | | | | |

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Distillates (petroleum), hydrotreated heavy paraffinic

| Route of exposure | Parameter | Method | Value | Exposure time | Specific target organ | Result | Species | Sex |
|-------------------|-----------|----------|-------|---------------|-----------------------|----------|---------|-----|
| | NOAEL | OECD 451 | | 78 weeks | Skin | Negative | Mouse | |

Reproductive toxicity

Based on available data the classification criteria are not met.

Distillates (petroleum), hydrotreated heavy paraffinic

| Effect | Parameter | Method | Value | Result | Species | Sex |
|------------------------|-----------|----------|-------|----------|----------------------------------|-----|
| Developmental toxicity | | OECD 421 | | Negative | Rat (<i>Rattus norvegicus</i>) | |
| Effects on fertility | | OECD 421 | | Negative | Rat (<i>Rattus norvegicus</i>) | |
| Developmental toxicity | | OECD 414 | | Negative | Rat (<i>Rattus norvegicus</i>) | |



SAFETY DATA SHEET

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

Spec Gas SJ 10W/40

Creation date

10th March 2023

Revision date

Version

1.0

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Repeated dose toxicity

Distillates (petroleum), hydrotreated heavy paraffinic

| Route of exposure | Parameter | Result | Method | Value | Exposure time | Species | Sex |
|-------------------|-----------|--------|----------|------------|---------------|----------------------------------|-----|
| Oral | LOAEL | | OECD 408 | 125 mg/kg | 90 days | Rat (<i>Rattus norvegicus</i>) | |
| Dermal | NOAEL | | OECD 411 | 30 mg/kg | | Rat (<i>Rattus norvegicus</i>) | |
| Dermal | NOAEL | | OECD 410 | 1000 mg/kg | | Rabbit | |
| Inhalation | NOAEL | | | 0.22 mg/l | 4 weeks | Rat (<i>Rattus norvegicus</i>) | |
| Inhalation | NOAEL | | | 0.15 mg/l | 13 weeks | Rat (<i>Rattus norvegicus</i>) | |

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on 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.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

calcium carbonate

| Parameter | Value | Exposure time | Species | Environment |
|------------------|-------|---------------|-------------------------------------|-------------|
| LC ₅₀ | >100 | 96 hours | Fish (<i>Oncorhynchus mykiss</i>) | |
| EC ₅₀ | >100 | 48 hours | Daphnia (<i>Daphnia magna</i>) | |

Distillates (petroleum), hydrotreated heavy paraffinic

| Parameter | Value | Exposure time | Species | Environment |
|------------------|-------------|---------------|-------------------------------------|-------------|
| EL ₅₀ | >10000 mg/l | 48 hours | Daphnia (<i>Daphnia magna</i>) | |
| LL ₅₀ | >100 mg/l | 96 hours | Fish (<i>Pimephales promelas</i>) | |

Chronic toxicity

Distillates (petroleum), hydrotreated heavy paraffinic

| Parameter | Value | Exposure time | Species | Environment |
|-----------|-----------|---------------|---|-------------|
| NOEL | ≥100 mg/l | 72 hours | Algae and other aquatic plants (<i>Pseudokirchneriella subcapitata</i>) | |
| NOEL | 10 mg/l | 21 days | Daphnia (<i>Daphnia magna</i>) | |
| NOEL | 1000 mg/l | 14 days | Fish (<i>Oncorhynchus mykiss</i>) | |

12.2. Persistence and degradability



SAFETY DATA SHEET

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

Spec Gas SJ 10W/40

Creation date 10th March 2023
Revision date Version 1.0

Biodegradability

calcium carbonate

| Parameter | Method | Value | Exposure time | Environment | Result |
|-----------|--------|-------|---------------|-------------|----------------------|
| | | | | | Easily biodegradable |

Distillates (petroleum), hydrotreated heavy paraffinic

| Parameter | Method | Value | Exposure time | Environment | Result |
|-----------|-----------|-------|---------------|-------------|----------------------|
| | OECD 301F | 31 % | 28 days | | Hardly biodegradable |

not available

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

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.

12.7. Other adverse effects

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. Proceed in accordance with valid regulations on waste disposal. 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. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. 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.

Waste type code

13 02 05 mineral-based non-chlorinated engine, gear and lubricating oils *

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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



SAFETY DATA SHEET

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Spec Gas SJ 10W/40

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Revision date

Version

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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

H304 May be fatal if swallowed and enters airways.

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

| | |
|---------------------|---|
| ADR | European agreement concerning the international carriage of dangerous goods by road |
| 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 |
| EC ₅₀ | Concentration of a substance when it is affected 50% of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EL ₅₀ | Effective Loading for 50% of the tested organisms |
| EmS | Emergency plan |
| EU | European Union |
| EuPCS | European Product Categorisation System |
| 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 K _{ow} | Octanol-water partition coefficient |
| NOAEL | No observed adverse effect level |
| NOEL | No observed effect level |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, Bioaccumulative and Toxic |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Agreement on the transport of dangerous goods by rail |



SAFETY DATA SHEET

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

Spec Gas SJ 10W/40

| | | | |
|---------------|-----------------|---------|-----|
| Creation date | 10th March 2023 | Version | 1.0 |
| Revision date | | | |

| | |
|-----------|---|
| UN | 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 |
| Asp. Tox. | Aspiration hazard |

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.