

SAFETY DATA SHEET

According to the European Regulation (EC) No. 1907/2006, Commission Regulation (EC) No. 453/2010

Product name: **Dexoll PP GL-5 80W-90H**

Date of issue: 14. 05. 2008

Revision date: 27. 03. 2015 (version 3.0)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product Identifier

Dexoll PP GL-5 80W-90H

Chemical name:

Mixtures

Registration No.:

None

Index No.:

None

1.2 Relevant identified uses of the substance/mixture and uses advised against

Automotive gear oil

1.3 Details of the supplier of the safety data sheet

Name: GrandX, s.r.o

Place of business: Železničná 3214/1 , 038 61 Vrútky

Phone: +421 434 306 414

E-mail: info@grandx.sk

Website: www.grandx.sk

1.4 Emergency phone numbers

National Toxicological Information Center +421 2 54 77 4 166

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture

According to 1272/2008 (CLP) the product is classified as hazardous.

Sensitizing: Skin Sens. 1, H317

Harmful for the aquatic life: Aquatic Chronic 3, H412

According to 1999/45/ES (DPD) the product is classified as hazardous.

Sensitizing, Xi; R 43

Dangerous for the environment, R 52/53

2.2 Label elements according to the European Regulation (EC) No 1272/2008

Pictogram:



Warning description: Warning

Standard phrases of hazard:

May cause an allergic skin reaction

Harmful to aquatic life with long lasting effects

Safe handling instructions

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves, protective clothing, eye protection, face protection

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice

Take off contaminated clothing and wash before reuse

Dispose of contents and container according to local regulations

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Avoid release to the environment

Hazardous components which must be listed on the label

Contains: Polysulfidy, di-terc. butyl; The reaction products of bis (4-methylpentane-2-yl) phosphor dithio acids with phosphorus oxide, propylene oxide and C12-14 branched alkyl amines

Other requirements

None

2.3 Other hazards

The product is not persistent, bioaccumulative and toxic chemical substance or very persistent and very bioaccumulative chemical substance according to the criteria set out in Annex XIII to the EC (PBT, vPvB).

Flammable liquid: Prolonged or frequently repeated exposure to this product may cause eye and skin irritation. The inhalation of oil mist may irritate the breathing passages. Swallowing and subsequent vomiting may make the liquid reach and seriously damage the lungs.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

The product is not the substances

3.2 Mixtures

Substance name	Substance content in the product (%)	EC No. CAS No.	Classification according to 67/548/EU	Classification according to 1272/2008 (CLP)	Reg. No.
Polysulfide, di-terc. butyl	2.70	273-103-3	Xi/R43 R52/53	Skin Sens. 1, H317 Aquatic Chronic 3, H412	01-2119540512-43
The reaction products of bis (4-methylpentane-2-yl) phosphor dithio acids with phosphorus oxide, propylene oxide and C12-14 branched alkylamines	0.90	931-384-6	Xn/R22 Xi/R41 Xi/R43 N/R51/53	Acute Tox. 4, H302 Aquatic Chronic 2, H411 Eye Dam. 1, H318 Skin Sens. 1, H317	01-2119493620-38
Cis-oktadec-9-enylamin	0.22	204-015-5	Xn/R22 Xn/R48/22 Xi/R37 C/R34 N/R50/53	Acute Tox. 4, H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Eye Tox. 1, H304 Eye Dam. 1, H318 Skin Corr. 1B, H314 STOT RE 2, H373 STOT SE 3, H335	not available

*Mineral (base) oils Exposure limits see Article 8.1.

01-2119486951-26

*The base, highly refined mineral oils used in these products contain less than 3 % of the DMSO extract according to IP 346. Within the intention of note L in the list of classified products, they are not classified as dangerous substances.

Full texts of H-phrases and R-phrases are quoted in Section 16

Further information

For the exposure limits stipulated by the Scientific Committee on Occupational Exposure Limits, see Section 8.1.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

If the first aid treatment is to be administered, release tight clothing and keep the exposed person warm and at rest. If conscious, place the exposed person to the stabilised position and get prompt medical attention. In case of cardiac arrest, apply cardiac massage and call medical assistance immediately. If unconscious but breathing, place the exposed person to the stabilised position and call medical assistance immediately.

The first aid instructions are structured according to separate exposure ways:

Inhalation: Move the exposed person to fresh air or to a well-ventilated place, keep the exposed person warm and at rest, do not leave the person unattended. Get prompt medical assistance.

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Skin contact: Remove the contaminated clothes and footwear immediately. Keep washing the affected body parts with soap and warm water and treat them with a suitable cream. If any irritation, swelling or red-denning occurs, get prompt medical assistance. Wash the contaminated clothes before re-use. Footwear and other leather clothing parts must be replaced with new.

Contact with eyes: Check for contact lenses and remove them, if present. Rinse the eyes thoroughly with ample quantity of clean (lukewarm, if possible) water for at least 15 minutes. If eye irritation persists, seek medical assistance.

Ingestion: Remove any artificial denture, if present. Rinse the mouth with water, but never induce vomiting - vomit should not get into the lungs. Get prompt medical attention. If nevertheless spontaneous vomiting occurs, place the exposed person to the stabilised position with his/her legs slightly elevated. Seek immediate medical assistance.

4.2 Most important symptoms and effects, both acute and delayed

The product has negative effects on the central nervous system. Upon inhalation, its narcotic effect in the concentration of 8 mg/l in air causes nausea to narcosis, while concentrations of 40 mg/l may be fatal after 5 to 10 minute inhalation. Repeated exposures may cause chronic neurologic effects.

4.3 Indication of any immediate medical attention and special treatment needed

Inhalation: The product has negative effects on the central nervous system. At higher concentrations, the product vapours have narcotic effects that may cause convulsions or even death. Check for breathing and pulse rate of the affected person.

Ingestion and inhalation: If swallowed or inhaled, the product may cause serious damage of lungs. Do not induce vomiting. Contraindications: induced vomiting and gastric irrigation. Administration of medicinal charcoal has no effect. The affected person must be monitored at least for the period of 48 to 72 hours. Monitoring for pulmonary oedema symptoms starts six hours after the ingestion/inhalation and it continues at least for the period of 48 to 72 hours.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing means: Heavy, medium and light air-mechanical foam, type B or C fire-extinguishing powders.

Unsuitable extinguishing means: Water jet (for cooling only).

5.2 Special hazards arising from substance or mixture

Combustion products and hazardous gases: smoke, carbon monoxide, carbon dioxide. Explosive mix-tures with air are formed.

5.3 Advice for fire-fighters

Fire-fighting teams exposed to smoke or vapours must wear respiratory and eye protection. In confined spaces, the teams must use a self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Prevent any contamination of clothing/footwear with the product; prevent any contact with skin and eyes. Use suitable protective clothing; if contaminated, change the clothing immediately. Remove any potential source of ignition. Strictly no smoking or naked flames. If possible, larger spills may be covered with foam in order to control the creation of vapours and aerosols. Provide for good ventilation of the affected areas. All persons not taking part in rescue operations must be kept away to a sufficient distance.

6.2 Environmental precautions

Act as quick as possible, do not allow to enter drains, underground water or watercourses and soil by en-closing the affected area (damming, closing of gulleys). Notify the relevant authorities.

6.3 Methods and material for containment and cleaning up

If possible, contain the spillage and pump off or remove the product mechanically or draw it off the water surface. Let absorb any residua or smaller quantities to a suitable sorbent (Vapex, Chezacarb, saw dust, sand) and place it into labelled containers for further disposal in accordance with the relevant waste dis-posal legislation.

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6.4 References to other sections

Apart from the instruction set out in this Section, other important information is shown in section 8 - EXPOSURE CONTROLS AND SECTION 13 – DISPOSAL CONSIDERATIONS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

The premises must be equipped according to the requirements of ČSN 75 3415 (Czech Standard). All fire-safety measures must be followed while handling the product. Strictly no smoking or naked flames. In addition, it is necessary to avoid any inhalation of vapours or aerosol, contamination of skin and/or eyes. If handling of heavy containers is necessary, use suitable handling equipment and avoid of any possibility of slipping. Do not eat, drink and smoke at work. Store the product away from foodstuffs, drinks and fodder.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in areas protected from rain, dust, heat and other weather-Weather proofing. Maximum storage temperature is 40 ° C. Protect against water.

7.3 Specific end use(s)

Filling of automobile gearboxes

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTIVE EQUIPMENT

8.1 Control parameters

Workplace occupational exposure limit (under Regulation No. 361/2007 Coll., as amended):

PEL mineral oil: 5 mg/m³

NPK-P mineral oil: 10 mg/m³

Inhalation: long-term exposure: occupational DNEL (inhalation) intermittent = 5.4 mg/m³/8 h

General population DNEL (inhalation) intermittent = 1.2 mg/m³/24 h

8.2 Exposure controls

Observe general safety and hygienic measures; do not eat, drink and smoke at work. After washing the skin with warm water and soap, treat it preventively with a regeneration cream. This information extends the facts already shown above in Section 7.

Eye/face protection: Use protective goggles or safety eyewear (face shield).

Skin protection: Use protective gloves resistant against oil products and tested according to EN 374; best of all made of nitrile or neoprene rubber. Leather or thick textile materials are not suitable.

Respiratory protection: Not necessary, if the vapour concentration in air is less than the concentration limits. If the opposite is the case or aerosols are created, use emergency escape mask with A, AX (brown) filters or any other mask types suitable of protecting against organic gases and vapours.

Thermal hazard: None

Environmental exposure controls: It is necessary to prevent leakage into the environment by all available means.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: liquid

Colour: yellow to brown

Odour: not

Odour threshold value: not determined

pH: no determination necessary

Pour point: -30 °C

Initial boiling point and boiling range: not determined

Flash point OK: > 180 °C

Vaporisation rate: not determined

Flammability: IV. Class

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Upper/lower explosion or flammability limits: not determined

Vapour pressure: < 10 Pa at 20 °C

Vapour density: not determined

Relative density: 885 kg/m³ at 15 °C

Solubility: insoluble in water

Separation factor: n-octanol/water: not determined

Self-ignition temperature: 320 °C

Decomposition temperature: not determined

Viscosity/100 °C: min 13.5 mm²/s

Explosive properties: not explosive

Oxidation properties: not oxidising

9.2 Other information

Combustion point: 200 °C

SECTION 10: STABILITY & REACTIVITY

10.1 Reactivity: No reactivity danger exists.

10.2 Chemical stability: Stable under recommended storage and handling conditions.

10.3 Possibility of dangerous reactions: No dangerous reactions are possible.

10.4 Conditions to be avoided: Creation of concentrations within the explosion limits, presence of ignition sources and contact with a naked flame.

10.5 Incompatible materials: Strong oxidisers.

10.6 Hazardous decomposition products: Under normal conditions: none; if burning under deficiency of air, carbon monoxide may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: oral toxicity (rat) LD₅₀ > 5 000 mg/kg (OECD 401)

Dermal toxicity (rabbit) LD₅₀ > 2 000 mg/kg (OECD 402)

Inhalation toxicity (rabbit) LC₅₀ > 5 000 mg/m³ (OECD 403)

Chronic toxicity: chronic inhalation toxicity NOAEL > 220 mg/m³ (OECD 412)

Skin corrosion/irritation: OECD 404 test results proved no the skin irritation.

Serious eye damage/irritation: OECD 405 test results proved no eye irritation.

Respiratory or skin sensitization: the respiratory organ sensitisation data are missing, but no such sensitisation is expected. As regards the sensitisation by skin contact, OECD 406 tests were made and no sensitisation proved.

Germ cell mutagenicity: PAU je < 3 % (IP 346).

Carcinogenicity: PAU je < 3 % (IP 346). It is not carcinogenic for dermal or inhalation exposure.

Reproduction toxicity: The substance is not toxic for reproduction

STOT – single exposure: not determined

STOT – repeated exposure: not determined

Aspiration hazards: None.

SECTION 12: ECOLOGICAL INFORMATION

Based on acute toxicity of invertebrates and algae, the product is classified as toxic to the environment, H412.

12.1 Toxicity

Acute toxicity for aquatic environment: fish - LL₅₀ (96 hrs) > 100 mg/l, NOEL ≥ 100 mg/l (OECD 203)

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Algae EL₅₀ (72 hrs) \geq 100 mg/l (OECD 201)

Invertebrates EL₅₀ (48 hrs) $>$ 10 000 mg/l, NOEL \geq 1000 mg/l (OECD 202)

Chronic toxicity for aquatic environment: invertebrates NOEL (21 days) 10 mg/l, fish NOEL (21 days) 10 mg/l

Toxicity for soil microorganisms and for soil macroorganisms: Not expected

12.2 Persistence and degradability: Not expected - the substance is not soluble in water.

12.3 Bio accumulative potential: Not expected - the substance is biodegradable.

12.4 Mobility in soil: Not expected - the substance is biodegradable.

12.5 Results of PBT and vPvB assessment: Not expected because of the composition and low solubility in water.

12.6 Other adverse effects: The formation of product layers on water surfaces prevents the access of oxygen.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Substance disposal procedures: Waste, impaired product or unused/surplus product must be handed over to the person authorised for waste disposal according to the provisions of Act No. 185/2001 Coll., on Waste, as amended later, for the purposes of further use or disposal (according to the manufacturer's recommendations).

Waste code: N 13 02 05, in sorbent: N 15 02 02

Contaminated packaging disposal procedures: Base oil is supplied in rail tanks and tank trucks. If re-pumped into drums, these must be handed over – properly emptied – to the collection yard for hazardous waste. The containers with product residua must be placed on the place specified by the municipal authorities or handed over to the person authorised for waste disposal.

Waste legislation: Act No. 185/2001 Coll., on Waste, as amended later and connected implementation rules and regulations.

The information important for safety of persons in the waste management system extends the information set out in section 8.

SECTION 14: TRANSPORT INFORMATION

Nomenclature and labelling according to the European Agreement concerning the International Carriage of Dangerous Goods, Road (ADR)/Rail (RID)

14.1 UN Number: none

14.2 UN proper shipping name: none

14.3 Transport hazard class(es): none

14.4 Packing group: none

14.5 Environmental hazard: yes (no pictogram)

14.6 Special precautions for users:

Petroleum liquids under the Act on the waters, as amended, considered dangerous because of the requirements of the quality of surface and groundwater when transporting large volumes necessary to follow the advice of Standard 75 3418.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code: not applicable

SECTION 15: REGULATORY INFORMATION

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

- ✓ Act on Clean Air Protection, as amended later, *incl. connected regulations and rules.*
The product does not represent a volatile organic substance pursuant to Act on Clean Air Protection, as amended and relevant regulations of the Ministry of Environment.
- ✓ ČSN 65 0201 Flammable Liquids – manufacturing, storage and handling premises
According to ČSN 65 0201, the product is classified in the IV Flammability Class.

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- ✓ ČSN 33 0371 Inexplosive electrical installation – Explosive mixtures – Classification and methods of testing
According to ČSN 33 077, the product is classified in the T3 Thermal Class.
- ✓ Government Regulation No. 361/2007 Coll., by which the conditions of occupational health and safety are stipulated, as amended later.
- ✓ ČSN 75 3415 Protection of water against oil products. Premises for oil product handling and storage.
- ✓ Act No. 350/2011 Coll., on chemical substances and chemical mixtures, and on amendments of some acts.
- ✓ Regulation (EU) No. 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- ✓ Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)

15.2 Chemical safety assessment

The chemical safety assessment has been made.

SECTION 16: OTHER INFORMATION

16.1 List of H-phrases and P-phrases according to Regulation (EC) No. 1272/2008:

Standard safety phrases: H-phrases

H226 Flammable liquid and vapour
H290 May be corrosive to metals
H301 Toxic if swallowed
H302 Harmful if swallowed
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects

Safe handling instructions: P-phrase

P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment
P280 Wear protective gloves, protective clothing, eye protection, face protection
P302+P352 IF ON SKIN: Wash with plenty of soap and water
P333+P313 If skin irritation or rash occurs: Get medical advice
P362 Take off contaminated clothing and wash before reuse
P501 Dispose of contents and container according to local regulations

16.2 List of R-phrases according to Act No. 1999/45/EC Coll., as amended:

Standard sentences specifying specific hazard (R-phrases)

R 22 Harmful if swallowed
R 38 Irritating to skin
R 41 Risk of serious damage to eyes
R 43 May cause sensitization by inhalation
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment
R 52/53 Harmful to aquatic organisms may cause long-term adverse effect in the aquatic environment

16.3 Information on changes

- ✓ The change was made on the basis of Commission Regulation (EU) No 453/2010.
- ✓ The change (version 2.1) – art. 3.2, 14.6, 15.1, 16.1, 16.2.
- ✓ The change (version 2.2) – art. 3.2, 16.1, 16.2.
- ✓ The change (version 3.0) – Classification CLP.

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The data contained in this safety data sheet are based on our current knowledge and experience and they are related to the specified product only. The user is responsible for the product correct handling under the current legislation.