



SAFETY DATA SHEET

VEXOL Syntex IB-30 PS

SECTION 1	Identification of the substance/mixture and of the company/undertaking
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1.1. Product identifier	Product name: Vexol Syntex IB-30, Vexol Syntex IB-30 MOS, Vexol Syntex IB-40, Vexol Syntex IB-700.
1.2. Relevant identified uses of the substance or mixture and uses advised against	Lubricating oil designed to lubricate Galla chains, guides, plain bearings and other mechanisms. Uses advised against: not defined.
1.3. Details of the supplier of the safety data sheet	Company "Modex-Oil" 82-500 KWIDZYN ul. Sztumska 9 phone (0-55) 64 64 680 fax (0-55) 64 64 681 www.modex.com.pl veco@modex.com.pl
1.4. Emergency telephone number	55 64 64 680 from 8 am to 4 pm.

SECTION 2	HAZARDS IDENTIFICATION
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2.1. Classification of the substance or mixture	Product is not classified as hazardous.
2.2. Label elements	Pictograms: none Signal word: none Hazardous components: none Hazard statements: none Precautionary statements: none Miscellaneous: none.
2.3. Other hazards	Flammable product with high flash point.

SECTION 3	COMPOSITION / INFORMATION ON INGREDIENTS
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3.1. Substances	Not applicable		
3.2. Mixtures			
Substance name	Substance identifier	Concentration, % m/m	Classification according to Regulation (EC) 1272/2008 (CLP)
Polyalpha-olefins (POA), hydrogenated oligomeric olefins received from catalytic polymerization of linear alpha olefins.	EC: polymer CAS: - Index no. : none Registration number: not available	Up to 100	Not classified as hazardous.

SECTION 4	FIRST AID MEASURES
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4.1. Description of first aid measures:

Through the respiratory tract

Casualties are to be ushered out (or carried out if unconscious) of the contaminated environment into fresh air and kept warm and at rest.
If casualty is conscious place them in half-sitting position. If they are unconscious, place them in recovery position: clean oral cavity and nose off the mucus and remove foreign objects.
In all cases of breathing disorders seek specialized medical help and if the

Oral poisoning:

casualty is not breathing immediately start mouth-to-mouth resuscitation (CPR).

Do not cause vomiting as it increases the risk of choking. Do not give milk, fats, alcohol. If the casualty is conscious, administer approx. 200 ml of liquid paraffin to drink. Seek medical advice.

In the event of skin contact:

Remove dirty clothing, wash dirty skin thoroughly with soapy water.

Eye contamination:

Rinse contaminated eyes keeping the eyelids open under continuous stream of water for approx. 15 minutes.

Additional information:

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

Not defined.

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

Do not cause vomiting. Do not give milk, fats, alcohol. Treat symptomatically.

SECTION 5**FIREFIGHTING MEASURES****General notes:**

Self-ignition temperature exceeds 350 ° C.

The following is the procedure for the event of the product being released to the zone engulfed by fire.

Notify the surroundings of the fire; remove all persons not involved in rescue action; If necessary arrange evacuation; call rescue teams - Fire Brigade and the Police. Only trained people equipped in personal protection clothing and equipment are allowed to participate in rescue actions.

5.1. Extinguishing media

Suitable extinguishing agents: Carbon dioxide, extinguishing powders, foams, dispersed water currents or water mist. Unsuitable extinguishing agents: dense water currents.

5.2. Special hazards arising from the substance or mixture

Incomplete combustion often creates complex mixtures of solid and liquid molecules floating in the air as well as gases, including carbon monoxide, and unidentified organic and non-organic mixtures.

5.3. Advice for firefighters

In the event of extensive fire or fire in poorly ventilated places, firefighters should be equipped with full fire resistant clothing and equipment isolating the respiratory tract (breathing apparatus with an independent source of air with a full mask operating on the basis of overpressure).

Do not permit for the sewage generated during fire extinguishing to be released to the drains and waters and secure the contaminated agents used to extinguish fire.

SECTION 6**ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1. For non emergency personnel : Stay away from the area of leakage. Alarm the rescue personnel.

6.1.2. For emergency responders:

Stop or contain the leakage at source, if safe. Avoid direct contact of the product with eyes by touching eyes with dirty hands. If necessary, notify competent authorities in accordance with relevant regulations.

Clothing and equipment:

In the event of small leaks, use standard working clothes. In the event of substantial leaks, use full overalls made from antistatic material resistant to chemical factors. Protective helmet. Antistatic, anti-skidding protective footwear (long or short), heat-resistant if necessary. Protective goggles or face cover if splashing the eyes or other eye contact is possible or expected.

Protection of the respiratory tract: depending on the amount of spilt substances and the estimated scope of exposure, half or full respiratory mask with connected filters for organic fumes generated by the product or autonomous respiratory apparatus can be used. If the situation cannot be fully assessed or if there is a risk of oxygen deficiency, only autonomous respiratory apparatus should be used.

6.2. Environmental precautions:

Prevent the product from being released to sewage channels, rivers and other water reservoirs and soil.

6.3. Methods and materials for containment and cleaning up:

6.3.1. Recommendations for preventing the leakage from spreading:

On ground surface: If necessary, surround the product with a protective wall of dry soil, sand or other non-flammable material. Leave hot product to cool down on its own. Significant leakages can be carefully covered with foam (if available). Ensure effective ventilation inside buildings or closed spaces (if applicable).

On the water surface: In the event of small leaks into closed waters (i.e. in ports), secure the product using floating barriers or other equipment. Collect the spilt product using special floating non-flammable absorbents. If possible, contain large leakages on open waters using floating barriers or other mechanical means. If not, control the spreading of leakage and collect the product using skimming or other appropriate mechanical means. Use of dispersing agents should be recommended by a specialist and (if necessary) approved by local authorities.

6.3.2. Recommendations for leakage removal:

Collect the spilt product using appropriate, non-flammable materials. Collect unrelated product using available means. Move the collected product and other contaminated materials to appropriate tanks or containers in order to safely recover or remove them. In the event of soil contamination, the contaminated layer should be removed and treated in accordance with local regulations. Put the recovered product and other materials into relevant tanks or containers for safe recovery or removal. Product with density exceeding density of water will sink to the bottom of the tank which normally prevents any actions. If possible, collect the product and contaminated materials using mechanical means and store/remove them in accordance with relevant regulations. In special situations (to be evaluated as individual cases by specialists and in accordance with local conditions), a real option may include digging ditches on the bottom to collect the product or cover it with sand.

6.3.3 Information on inappropriate methods preventing the spread of contamination: Not defined.

6.4. Reference to other sections Information on waste removal is in section 13.

SECTION 7**HANDLING AND STORAGE**

- 7.1. Precautions for safe handling:** Adhere to general health and safety rules whilst handling and storing the product. Avoid direct contact with the substance, avoid inhalation of fumes and aerosols, work in well ventilated rooms, observe the principles of personal hygiene, use protective clothing and equipment.
- 7.2. Conditions of safe storage, including any incompatibilities:** Store only in appropriately labelled, closed packages. Protect packaging against overheating, fall, damage. Storage rooms should be cool and well ventilated.
- 7.3. Specific end use (s):** No data.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1. Control parameters:**

8.1.1. The values of permitted concentrations:

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8.1.2. Recommended monitoring procedures:

Proceed in accordance with the air purity monitoring regulations and e.g. according to the following Polish norms: -PN-Z-04008-7: 2002 "Principles of air sampling in work place and interpretation of results"

8.2. Exposure controls:

8.2.1. Appropriate technical control measures:

Prevent concentration of the formulation components in the air exceeding the values of hygienic standards.

In the event of formation of mists and fumes use local exhaust ventilation removing steam from places of their emissions and general room ventilation.

8.2.2. Individual protection measures such as individual protective OHS equipment

Protection of the respiratory tract:

Under normal operating conditions and with sufficient ventilation special protection is not required. However, make sure not to inhale the product fumes. If there is a risk of exposure to concentrated fumes or risk of mist forming or with inadequate ventilation, it is necessary to use a half-mask or full breathing mask with fume organic filters or autonomous breathing apparatus with the type A filter.

Hands and skin protection:

Special protection is required, in order to minimise any possible risk use of

protective clothing is recommended as well as protective, chemicals resistant gloves (e.g. made of butyl rubber, neoprene, nitrile rubber (thickness of 0.40 mm, penetration time > 240mm (according to PN-EN374) and protective heat resistant footwear.

Eye and face protection:

In case of long-term exposure or danger of spraying use tight seal safety goggles.

Thermal hazards:

The gloves should be thermally resistant and thermally insulated, if contact with hot product is possible or expected.

Technical protective measures:

General ventilation.

8.2.3. Environment exposure control: Prevent penetration of large quantities of the product into the environment.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Visual appearance:	Oily liquid.
Scent:	Characteristic.
Colour:	Yellow.
Odour threshold:	No data.
pH:	Not applicable
Melting/solidification point [°C]:	< -35° C
Initial temperature Boiling point and boiling point range [°C]:	200 -800° C
Flash point [°C]:	> 260° C
Evaporation rate:	No data.
Flammability (of solid, gas):	Not applicable.
Upper/bottom flammability threshold or upper/lower explosive threshold:	Not applicable.
Vapour pressure [hPa]:	< 0,1 hPa in 20°C
Vapour density:	No data.
Relative density in 15 °C [g/cm3]:	0.87
Solubility:	Does not dissolve in water.
Partitioning coefficient: n-octanol/water:	Not applicable.
Auto-ignition temperature:	No data.
Decomposition temperature:	No data.
Kinematic viscosity in a 40 °C [cSt]:	> 200
Explosive properties:	Not applicable.
Oxidising properties:	Not applicable.
9.2. Other information:	No data.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity:	In normal operating conditions does not react dangerously with other substances.
10.2. Chemical stability:	In normal use and storage conditions the product is stable.
10.3. Possibility of hazardous reactions:	In use conditions the product does not cause hazardous chemical reactions.
10.4. Conditions to avoid:	High temperature, open flame and other ignition sources.
10.5. Incompatible materials:	Strong oxidants.
10.6. Hazardous decomposition products:	Thermal decomposition may occur in high temperatures. Gases and fumes may be emitted: oxides of carbon, sulphur, hydrocarbons, carbonyl compounds and other products of incomplete combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity:	Synthetic oil of POA type: LD50: > 2000 mg/kg (orally), LC50: > 5 mg/ l (inhalation), LD50: > 2000 mg/kg (skin).
Caustic/irritating effect on the skin:	Based on available data classification criteria are not met. At longer or more frequent contact irritation or inflammation of skin may occur.
Serious damage to eyes/irritating effect on eyes:	Based on available data, classification criteria are not met.
Sensitising effect on the respiratory tract or skin:	Based on available data, classification criteria are not met.
Mutagenic effect on reproductive cells:	Based on available data, classification criteria are not met.
Carcinogenic effect:	Based on available data, classification criteria are not met.
Harmful effect on reproduction capacity:	Based on available data, classification criteria are not met.
Toxic effect on target organs - one-time exposure:	Based on available data classification criteria are not met. Accidental swallowing may cause gastric disorders (nausea, vomiting, abdominal pain); irritation of the alimentary tract. High concentration of fumes/mist may cause moderate irritation to mucous membranes of respiratory tract (itching in the throat, cough), pains and dizziness, nausea.
Toxic effect on target organs - repeated exposure:	Based on available data classification criteria are not met. Repeated or long-term exposure may cause drying, cracking and chronic inflammation of skin. Long-term exposure to fumes may cause neurotoxic disorders.
Aspiration caused hazard:	Based on available data classification criteria are not met. Viscosity above 20.5 mm ² /s in 40°C.

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity:	Harmful effect on aquatic life is not expected.
12.2. Persistence and degradability :	The product is self-biodegradable.
12.3. Bioaccumulative potential:	Not defined.
12.4. Mobility in the soil:	Not defined.
12.5. Results of PBT and vPvB assessment:	This product is not, or does not contain PBT or vPvB substances.
12.6. Other adverse effects:	Occurrence of negative effects is not expected.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:	Do not dispose of the waste into the sewage system, prevent contamination of surface and ground waters and soil. Do not store on communal landfill sites . Waste recovery or neutralisation of the product should be carried out in accordance with the principles and plans of waste management and environmental requirements only in a designated place, i.e. in installations or devices meeting specified requirements. Disposable packaging should be disposed of in accordance with current regulations related to handling packaging waste. Waste code is assigned depending on the source of its generation, final user should identify the generated waste and assign a relevant code.
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SECTION 14 TRANSPORT INFORMATION

RID/ADR:	The mixture is not subject to the provisions concerning transportation of hazardous goods ADR.
14.1. UN Number:	Not applicable.
14.2. UN proper shipping name:	Not applicable.
14.3. Transport hazard classes:	Not applicable.
14.4. Packing group:	Not applicable.

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user: Handle the mixture according to section 7 of this sheet.

14.7. Transport in bulk in accordance with Annex II of MARPOL and the IBC Code: Not applicable.

SECTION 15

REGULATORY INFORMATION

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

The ordinance (EC) NO.1907/2006 of the European Parliament and the Council of 18 December 2006 on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing the European Chemicals Agency (Official Journal of EU series L no. 396 of 30 December 2006. and correction Official Journal EU series L no. 136 with 29 May 2007, as amended).

The ordinance of the Commission (EU) no. 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006 of the European Parliament and the European Commission on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

The ordinance of the Commission (EU) 2015/830 of 28th May 2015, amending Regulation (EC) No. 1907/2006 of the European Parliament and the European Commission on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws 2011 no. 63 item 322, as amended).

The ordinance of the Minister of Health of 20 April 2012, on marking of packaging of hazardous substances and hazardous mixtures and certain mixtures. (Journal of Laws 12. item 445).

The ordinance of the Minister Health of 2 February 2011, on tests and measurements of factors harmful for health in the work environment (Journal of Laws 2011 no. 33 item 166).

The ordinance of the Minister of Economy of 21 December 2005 on the basic requirements for personal protection equipment (Journal of Laws of 2005 no. 259, item 2173).

The ordinance of the European Parliament and the European Council (EC) NO.1272/2008 of 16 December 2008 on classification, labelling and packing of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No. 1907/2006 (Official Journal of EU series L no. 353 with 31 December 2008. as amended).

Act of 14 December 2012. on Waste (Journal of Laws of 2013. item 21.)

Act of 13 June 2013, on packaging and packaging waste management (Journal of Laws 2013 item 888, as amended)

Regulation of the Minister of Environment of 9 December 2014 on Catalogue of Waste (Journal of Laws from 2014, item 1923).

The ordinance of the Minister of Labour and Social Policy dated September 26, 1997. on general occupational health and safety provisions (i.e. Journal of Laws 03.169.1650, as amended).

The ordinance of the Minister of Labour and Social Policy of 6 June 2014 on the highest permitted concentrations and intensity of factors harmful for human health in the work environment (Journal of Laws from 2014, item 817.).

The ordinance of the Minister of Health of 30 December 2004. on occupational health and safety related to occurrence of chemical agents in the workplace (Journal of Laws 05. 11. 86, as amended).

The ordinance (EC) NO.2037/2000 of the European Parliament and the Council of 29 June 2000 on substances that deplete the ozone layer (Official Journal of EC series L no. 244 with 29 September 2000).

Act of 19 August 2011 on transportation of hazardous materials (Journal of Laws of 2011. No. 227, item 1367.)

The ordinance of the Minister Health of 24 July 2012 on chemical substances, their mixtures, components or technological processes with carcinogenic or mutagenic effect in the work environment (Journal of Laws 2012 no. 0 item 890, as amended).

15.2. Chemical safety assessment: not performed

SECTION 16

OTHER INFORMATION

Update:

March 2018, Adjustment to the correction to the regulation 2015/830.

Data source:

Literature data concerning the substance, technological data, safety data sheets for substances and mixtures.

Explanation of abbreviations:

NDS - Highest acceptable concentration

NDSch - Highest acceptable temporary concentration

NDSP - Highest acceptable ceiling concentration

PBT-Persistent Bioaccumulable Toxic

vPvB - very Persistent very Bioaccumulable.

PNEC - Expected concentration not causing **DNEL** effects-Level not causing changes

LD50- Dose at which death of 50% of the examined animals is observed.

LC50-Concentration at which death of 50% of the examined animals is observed.

ECx-Concentration at which X% reduction of growth or growth speed is observed.

LOEC-Lowest Observed Effect Concentration.

NOEL-No Observable Effect Level

UVCB-Substances of unknown or variable composition, complex reaction products or biological materials.

Permits (Appendix XIV REACH):

Restrictions (Appendix 17 REACH)

Statement:

The mixture does not contain substances listed in Appendix XIV.

The mixture does not contain substances listed in Appendix XVII.

The Safety Data Sheet was prepared based on our best knowledge and current information collected which refer only to the subject product. The information however is passed without the guarantee considered as binding (indirect and direct). Storage, application, liquidation and conditions and ways of handling the product stay beyond our control. Because of the above we cannot be liable for losses, damages or expenses which result from or are in other way relating to inadequate storage, application, liquidation or ways of material handling. The Sheet was prepared only for the purposes of submitting information on health, safety and environment protection hazard. It is not a product specification or it cannot be considered as presentation of data included in specification.