

SAFETY DATA SHEET



Castrol Syntrax Long Life 75W-90

Section 1. Identification

GHS product identifier Castrol Syntrax Long Life 75W-90
Product code 67190-DE01
SDS no. 67190

Castrol SYNTRAX
Limited Slip synthetic
Gear Oil 75W-90

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

Use of the substance/mixture Automotive gear lubricant
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

Manufacturer
Supplier

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EMERGENCY TELEPHONE
NUMBER

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Section 2. Hazards identification

GHS Classification Not classified.

GHS label elements

Signal word No signal word.
Hazard statements No known significant effects or critical hazards.
Precautionary statements
Prevention Not applicable.
Response Not applicable.
Storage Not applicable.
Disposal Not applicable.

Other hazards which do not result in classification Defatting to the skin.

Experimental data on one or more of the components has been used to determine all or part of the hazard classification of this product.

Section 3. Composition/information on ingredients

Substance/mixture Mixture

Polyalphaolefin base oil. Synthetic base stock. Proprietary performance additives.

Ingredient name	%	CAS number
<input checked="" type="checkbox"/> Olefin sulphide	1 - 5	68937-96-2
Base oil - unspecified	1 - 5	Varies
amines, c12-14-alkyl, reaction products with hexanol phosphorus oxide (p2o5), phosphorus sulphide (p2s5) and propylene oxide	1 - 5	91745-46-9

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid measures

Description of necessary first aid measures

Inhalation Inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Skin contact Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

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Section 4. First-aid measures

- Eye contact** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.
- Protection of first-aiders** No action shall be taken involving any personal risk or without suitable training.

Most important symptoms/effects, acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

Indication of immediate medical attention and special treatment needed, if necessary

- Specific treatments** No specific treatment.
- Notes to physician** Treatment should in general be symptomatic and directed to relieving any effects.

Section 5. Fire-fighting measures

Extinguishing media

- Suitable** In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.
- Not suitable** Do not use water jet.
- Specific hazards arising from the chemical** In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** Combustion products may include the following:
carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide)
sulphur oxides (SO₂, SO₃, etc.)
- Special precautions for fire-fighters** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.
- For emergency responders** Specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

- Precautions for safe handling** Put on appropriate personal protective equipment (see Section 8).
- Conditions for safe storage** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
- Not suitable** Prolonged exposure to elevated temperature.

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
None.	

Recommended monitoring procedures This product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Appropriate engineering controls All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.
Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.
The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye protection Safety glasses with side shields.

Skin protection

Hand protection Wear suitable gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Skin protection Use of protective clothing is good industrial practice. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Section 9. Physical and chemical properties

Appearance

Physical state Liquid.
Colour Amber.
Odour Fily.
Odour threshold Not available.
pH Not available.

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Section 9. Physical and chemical properties

Melting point	<input type="checkbox"/> Not available.
Boiling point	<input type="checkbox"/> Not available.
Drop Point	<input type="checkbox"/> Not available.
Flash point	<input checked="" type="checkbox"/> Open cup: 224°C (435.2°F) [Cleveland.]
Evaporation rate	<input type="checkbox"/> Not available.
Flammability (solid, gas)	Not applicable. Physical state - Liquid.
Lower and upper explosive (flammable) limits	<input type="checkbox"/> Not available.
Vapour pressure	<input type="checkbox"/> Not available.
Vapour density	<input type="checkbox"/> Not available.
Relative density	<input type="checkbox"/> Not available.
Density	<input checked="" type="checkbox"/> 58.2 kg/m ³ (0.858 g/cm ³) at 15°C
Solubility	<input checked="" type="checkbox"/> Insoluble in water.
Partition coefficient: n-octanol/water	<input checked="" type="checkbox"/> 3
Auto-ignition temperature	<input type="checkbox"/> Not available.
Decomposition temperature	<input type="checkbox"/> Not available.
Viscosity	<input checked="" type="checkbox"/> Kinematic: 101 mm ² /s (101 cSt) at 40°C <input checked="" type="checkbox"/> Kinematic: 15.4 mm ² /s (15.4 cSt) at 100°C

Section 10. Stability and reactivity

Reactivity	<input checked="" type="checkbox"/> No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
Chemical stability	<input checked="" type="checkbox"/> The product is stable.
Possibility of hazardous reactions	<input checked="" type="checkbox"/> Under normal conditions of storage and use, hazardous reactions will not occur. <input checked="" type="checkbox"/> Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions to avoid	<input checked="" type="checkbox"/> Avoid all possible sources of ignition (spark or flame).
Incompatible materials	<input checked="" type="checkbox"/> Reactive or incompatible with the following materials: oxidising materials.
Hazardous decomposition products	<input checked="" type="checkbox"/> Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Aspiration hazard

Not available.

Information on the likely routes of exposure

Routes of entry anticipated: Dermal, Inhalation.

Potential acute health effects

Eye contact

Based on data available for this or related materials. Non-irritating to the eyes.

Inhalation

Vapour inhalation under ambient conditions is not normally a problem due to low vapour pressure.

Skin contact

Defatting to the skin. May cause skin dryness and irritation.

Ingestion

Based on data available for this or related materials. Non-sensitiser to skin.

No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

No specific data.

Inhalation

No specific data.

Skin contact

Adverse symptoms may include the following:
irritation
dryness
cracking

Ingestion

No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Eye contact

Potential risk of transient stinging or redness if accidental eye contact occurs.

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Section 11. Toxicological information

Inhalation Overexposure to the inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Skin contact Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Ingestion Ingestion of large quantities may cause nausea and diarrhoea.

Potential chronic health effects

General No known significant effects or critical hazards.

Carcinogenicity No known significant effects or critical hazards.

Mutagenicity No known significant effects or critical hazards.

Teratogenicity No known significant effects or critical hazards.

Developmental effects No known significant effects or critical hazards.

Fertility effects No known significant effects or critical hazards.

Section 12. Ecological information

Environmental effects This product shows a low bioaccumulation potential.

Persistence and degradability
 No evidence of biodegradability.

Bioaccumulative potential
 This product is not expected to bioaccumulate through food chains in the environment.

Mobility Spillages may penetrate the soil causing ground water contamination.

Other adverse effects No known significant effects or critical hazards.

Other ecological information Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

Section 13. Disposal considerations

Disposal methods The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	IMDG	IATA
UN number	<input checked="" type="checkbox"/> Not regulated.	<input checked="" type="checkbox"/> Not regulated.
UN proper shipping name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transport hazard class(es)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Packing group	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Environmental hazards	<input checked="" type="checkbox"/> No.	<input checked="" type="checkbox"/> No.
Special precautions for user	<input checked="" type="checkbox"/> Not available.	<input checked="" type="checkbox"/> Not available.
Additional information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Section 14. Transport information

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

Section 15. Regulatory information

Regulation according to other foreign laws

REACH Status The company, as identified in Section 1, sells this product in the EU in compliance with the current requirements of REACH.

United States inventory (TSCA 8b) All components are listed or exempted.

Australia inventory (AICS) All components are listed or exempted.

Canada inventory status All components are listed or exempted.

China inventory (IECSC) All components are listed or exempted.

Japan inventory (ENCS) All components are listed or exempted.

Korea inventory (KECI) All components are listed or exempted.

Philippines inventory (PICCS) All components are listed or exempted.

Section 16. Other information

History

Date of issue/Date of revision 16/04/2012.

Date of previous issue 03/05/2011.

Prepared by Product Stewardship

Indicates information that has changed from previously issued version.

Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from BP Group.

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