

MATERIAL SAFETY DATA SHEET	Page : 1 / 6
	Revision nr : 3
	Date : 20 / 4 / 2011
	Supersedes : 18 / 1 / 2011
SYN-TEC MS 5W30	ARD010004

Producer

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

1.1. Product identifier

Identification of the product : Lubricant.
Trade name : SYN-TEC MS 5W30.
Type of product : Oily liquid.

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

Use : Automobile industry

1.3. Details of the supplier of the safety data sheet

Company identification : See producer or distributor.

1.4. Emergency telephone number

Emergency phone nr : 0032 (70) 245 245

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

: Not regulated.

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Labelling Regulation EC 1272/2008 (CLP)

- Precautionary statements

2.3. Other hazards

None under normal conditions.

SECTION 3. Composition/information on ingredients

This product is not considered to be hazardous but contains hazardous components, Directive 1999/45/EG.

Substance name	Value(s)	CAS nr	EINECS nr	EC index	REACH	CERTIFICATE
Zinc alkyldithiophosphate	: 0.5 to 1.5 %	-----	272-028-3	-----	-----	Xi; R38-41 N; R51-53

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid

- Inhalation : Not expected to require first aid measures.

MATERIAL SAFETY DATA SHEET	Page : 2 / 6
	Revision nr : 3
	Date : 20 / 4 / 2011
	Supersedes : 18 / 1 / 2011
SYN-TEC MS 5W30	ARD010004

SECTION 4. First aid measures (continued)

- Skin contact : Wash skin thoroughly with mild soap and water.
- Eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.
- Ingestion : DO NOT INDUCE VOMITING.
Rinse mouth.
Seek medical attention immediately.

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

Symptoms relating to use

- Inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- Skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.
- Eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
- Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

No data available.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

- Suitable : Water fog. Foam. Powder. Dry chemical.
- Not to be used : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for fire-fighters

- Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Prevention : No smoking.
- Special procedures : Exercise caution when fighting any chemical fire.
- Surrounding fires : Use water spray or fog for cooling exposed containers.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions : No smoking.

6.2. Environmental precautions

- Environmental precautions : Prevent entry to sewers and public waters.
Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- After spillage and/or leakage : Spill area may be slippery. Dike for recovery or absorb with appropriate material.
Use suitable disposal containers.

6.4. Reference to other sections

MATERIAL SAFETY DATA SHEET	Page : 3 / 6
	Revision nr : 3
	Date : 20 / 4 / 2011
	Supersedes : 18 / 1 / 2011
SYN-TEC MS 5W30	ARD010004

SECTION 6. Accidental release measures (continued)

No data available.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

- General** : No naked flames. No smoking.
- Handling** : Keep away from food, drink and animal feeding stuffs.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking or when leaving work.
- Personal protection** : Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.
- Technical protective measures** : Both local exhaust and general room ventilation are usually required.

7.2. Conditions for safe storage, including any incompatibilities

- Storage** : Keep at temperature not exceeding 40°C
Store in dry, well-ventilated area.

7.3. Specific end use(s)

No data available.

- Transport temperature** : Keep at temperature not exceeding 40°C

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

- Personal protection**
- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- **Skin protection** : No special clothing/skin protection equipment is recommended under normal conditions of use.
- **Eye protection** : Goggles.
- **Hand protection** : In case of repeated or prolonged contact wear gloves.
- **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : No special protection required where adequate ventilation is maintained.

8.2. Occupational Exposure Limits

- Occupational Exposure Limits** : 5 mg/m³ for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Appearance** : Yellow-brown. Oily liquid.
- **Odour** : Characteristic.
- **Odour threshold** : No data available.
- **pH value** : Not applicable.
- **Melting point / Freezing point** : No data available.

MATERIAL SAFETY DATA SHEET	Page : 4 / 6
	Revision nr : 3
	Date : 20 / 4 / 2011
	Supersedes : 18 / 1 / 2011
SYN-TEC MS 5W30	ARD010004

SECTION 9. Physical and chemical properties (continued)

- Initial boiling point - boiling range : No data available.
- Flash point [°C] (ASTM D 92) : 232
- Evaporation rate : No data available.
- Flammability : No data available.
- Explosion limits - lower [%] : 1.0
- Explosion limits - upper [%] : 6.0
- Vapour pressure : No data available.
- Vapour density : No data available.
- Density [g/dm³] : 856
- Solubility in water : Negligible.
- Partition coefficient :
n-octanol / water : No data available.
- Auto-ignition temperature [°C] : No data available.
- Thermal decomposition : No data available.
- Viscosity at 40°C [mm²/s] : 57
- Explosive Properties : No data available.
- Oxidising properties : No data available.

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : None under normal conditions.

Hazardous properties : None under normal conditions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Materials to avoid : Strong oxidizers.
Acids.
Bases.

10.6. Hazardous decomposition products

Hazardous decomposition products : None under normal conditions.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Toxicity information : No data available.

MATERIAL SAFETY DATA SHEET

Page : 5 / 6

Revision nr : 3

Date : 20 / 4 / 2011

Supersedes : 18 / 1 / 2011

SYN-TEC MS 5W30

ARD010004

SECTION 11. Toxicological information (continued)

- Inhalation** : Negligible hazard at ambient/normal handling temperatures.
Elevated temperatures or mechanical action may form vapours, mists, or fumes, which may be irritating to the nose, throat and lungs.
- Skin contact** : Repeated or prolonged skin contact may cause irritation.
- Eye contact** : Slightly irritant, does not damage eye tissue
- Ingestion** : Low level of acute/systematic toxicity.

SECTION 12. Ecological information

12.1. Toxicity

No data available.

12.2. Persistence - degradability

Persistence and degradability : Not soluble in water, so only minimally biodegradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. Transport information

- General information** : Not regulated.
- Emergency action in case of accident** : Stop the engine. No naked flames. No smoking. Mark roads and warn other road users.

SECTION 15. Regulatory information

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

Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

No data available.

MATERIAL SAFETY DATA SHEET	Page : 6 / 6
	Revision nr : 3
	Date : 20 / 4 / 2011
	Supersedes : 18 / 1 / 2011
SYN-TEC MS 5W30	ARD010004

SECTION 16. Other information

Text of R-Phrases in § 3 : R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

List of relevant R phrases (heading 3) : R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Print date : 20 / 4 / 2011

Further information : None.
Revision - See : *
None.

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The contents and format of this MSDS are in accordance with EEC Commission Directive 1907/2006/EC.

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