

SAFETY DATA SHEET

Revision: 1.0 Date: 20.09.2016



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH),
1272/2008 (CLP) & 453/2010

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Product Name No Smoke Oil 20w50
Chemical Name Mixture
CAS No. Mixture
EINECS No. Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s) Lubricant
Uses advised against None known.
- 1.3 Supplier's details**
Company Identification Topspeed Automotive Ltd.
44 Fullerton Road
Byfleet
Surrey
KT14 7TB
Telephone +44(0)1933 225564
Fax +44(0)1933 226093
E-Mail (competent person) Info@nosmokeoil.com
- 1.4 Emergency Phone No.** +44(0)1933 225564
Mon-Fri 09:00- 17:00 (GMT)
English spoken.

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP).

Hazard Class & Category	Hazard statement
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Not classified	
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2.2 Label elements

Labelling according to Regulation (EC) No.
1272/2008
Symbol(s)

CLP Hazard statements

PHYSICAL HAZARDS:
Not classified as a physical hazard under CLP criteria.
HEALTH HAZARDS:
Not classified as a health hazard according to CLP criteria.
ENVIRONMENTAL HAZARDS:
Not classified as environmental hazard according to CLP criteria.

EC Classification

Not classified as dangerous under EC criteria.

2.3 Other hazards

Health Hazards
Safety Hazards

Not classified as dangerous under EC criteria
Not classified as flammable but will burn.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Substances in preparations / mixtures

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3.2 Mixtures Not classified

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

General Information	Not expected to be a health hazard when used under normal conditions.
Inhalation	Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin Contact	Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.
Eye Contact	Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.
Ingestion	Wash out mouth with water and obtain medical attention.

4.2 **Most important symptoms and effects, both acute and delayed** Data not available.

4.3 **Indication of any immediate medical attention and special treatment needed** Treat symptomatically. Following cases of gross over-exposure, investigation of liver, kidney and eye function may be advisable. Records of such incidents should be maintained for future reference.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media	Large fires should only be fought by properly trained fire fighters. Alcohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable Extinguishing Media	Do not use water in a jet.
5.2 Special hazards arising from the substance or mixture	Clear fire area of all non-emergency personnel. Will only burn if enveloped in a pre-existing fire. Hazardous combustion products may include: Carbon dioxide. Unidentified organic and inorganic compounds. Toxic products. Carbon monoxide.
5.3 Advice for fire-fighters Additional information	Wear full protective clothing and self-contained breathing apparatus. All storage areas should be provided with adequate fire fighting facilities. Keep adjacent containers cool by spraying with water.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

Observe all relevant local and international regulations.

6.1 Personal precautions, protective equipment and emergency procedures	Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Avoid inhaling vapour and/or mists. Avoid contact with the skin. Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks.
6.2 Environmental precautions	Remove all possible sources of ignition in the surrounding area. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Use appropriate containment to avoid environmental contamination. Ventilate contaminated area thoroughly.
6.3 Methods and material for containment and cleaning up	For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of

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safety. Remove contaminated soil and dispose of safely.
For small liquid spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

7. SECTION 7: HANDLING AND STORAGE

General Precautions

Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. On guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For comprehensive advice on handling, product transfer, storage and tank cleaning refer to the product supplier.

7.1 Precautions for safe handling

In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. Use local exhaust extraction over processing area. Avoid contact with skin, eyes, and clothing. Air-dry contaminated clothing in a well-ventilated area before laundering. Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Do not empty into drains. Handling Temperature: Ambient. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

7.2 Conditions for safe storage, including any incompatibilities

Prevent all contact with water and with moist atmosphere. Tanks must be clean, dry and rust free. Prevent ingress of water. Must be stored in a diked (bunded) well-ventilated area, away from sunlight, ignition sources and other sources of heat. Nitrogen blanket recommended for large tanks (capacity 100 m³ or higher). Drums should be stacked to a maximum of 3 high. Maximum storage time: 12 months. Storage Temperature: Ambient.

Storage should be handled at temperatures such that viscosities are less than 500 cSt; typically at 25-50°C. Tanks should be fitted with heating coils in areas where the ambient temperatures are below the recommended product handling temperatures.

7.3 Specific end use(s)

Heating coil skin temperatures should not exceed 100°C.
Not applicable.

Additional Information

Ensure that all local regulations regarding handling and storage facilities are followed. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

Unsuitable Materials

None established.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

UK Workplace Exposure Limits

None established.

8.2 Exposure controls General Information

Exhaust emission systems should be designed in accordance with local conditions; the air should always be moved away from the source of vapour generation and the person working at this point. Adequate ventilation to control airborne concentrations.

Occupational Exposure Controls

Personal Protective Equipment

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

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Eye protection	Chemical splash goggles (chemical monogoggles). Approved to EU Standard EN166, AS/NZS: 1337.
Hand protection	Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739, AS/NZS: 2161) made from the following materials may provide suitable chemical protection: Incidental contact/Splash protection: PVC. Neoprene rubber. Nitrile rubber. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. This disposable gloves should be avoided for long term use. When worn, use once and dispose. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
Body protection	Chemical and cold resistant gloves/gauntlets, boots and apron.
Respiratory protection	No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material.
8.3 Environmental Exposure Controls Environmental exposure control measures	Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Green
Odour	Data not available.
pH	Data not available.
Boiling point	Data not available.
Melting / freezing point	Not applicable.
Flash point	> 200°C / 392 °F
Explosion / Flammability limits in air	Data not available.
Auto-ignition temperature	Data not available.
Vapour pressure	Not applicable.
Specific gravity	Data not available.
Density	1,027 kg/m ³ at 20 °C / 68 °F
Water solubility	Partially.
Solubility in other solvents	Data not available.
n-octanol/water partition coefficient (log Pow)	Data not available.
Dynamic viscosity	800 mPa.s at 20 °C / 68 °F
Vapour density (air=1)	Not applicable.
Evaporation rate (nBuAc=1)	Data not available.
Decomposition temperature	Data not available.

9.2 Other information

Auto ignition temperature	Data not available.
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10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Not applicable.
10.2 Stability	Stable. Hygroscopic. May react with strong oxidising agents.
10.3 Possibility of hazardous reactions	Data not available.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Hazardous Decomposition Product(s)	Unknown toxic products may be formed.

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11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	Information given is based on product testing, and/or similar products, and/or components.
	Basis for Assessment	
	Acute Oral Toxicity	Not expected to be a hazard. LD50 >2000 mg/kg
	Acute Dermal Toxicity	Not expected to be a hazard. LD50 >2000 mg/kg
	Acute Inhalation Toxicity	Not expected to be a hazard.
	Skin irritation	Expected to be non-irritating to skin.
	Eye irritation	Expected to be non-irritating to eyes.
	Respiratory Irritation	Not expected to be a respiratory irritant.
	Sensitisation	Not expected to be a skin sensitiser.
	Aspiration hazard	Not considered to be an aspiration hazard.
	Mutagenicity	Not expected to be mutagenic.
	Carcinogenicity	Not expected to be a carcinogenic.
	Reproductive and Developmental Toxicity	Not expected to impair fertility. Not expected to be a developmental toxicant.
	Specific target organ toxicity – repeated exposure	Not expected to be a hazard.

12. SECTION 12: ECOLOGICAL INFORMATION

	Basis for Assessment	Incomplete ecotoxicological data are available for this product. The information given below is based partly on a knowledge of the components and the ecotoxicology of similar products.
12.1	Toxicity	
	Acute Toxicity	
	Fish	Expected to have low toxicity: LC/EC/IC50 > 100 mg/l
	Aquatic crustacea	Expected to have low toxicity: LC/EC/IC50 > 100 mg/l
	Algae/aquatic plants	Expected to have low toxicity: LC/EC/IC50 > 100 mg/l
	Microorganisms	Expected to have low toxicity: LC/EC/IC50 > 100 mg/l
12.2	Persistence and degradability	Expected to be non-bioaccumulative.
12.3	Bioaccumulative potential	Oxidises rapidly by photo-chemical reactions in air. Does not bioaccumulate significantly, MW > 1000.
12.4	Mobility	If product enters soil, one or more constituents will be mobile and may contaminate groundwater.
12.5	Results of PBT and vPvB assessment	Not applicable.
12.6	Other adverse effects	Not applicable.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	
	Material Disposal	Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.
	Container Disposal	Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Send to drum recoverer or metal reclaimer.
	Local Legislation	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

14. SECTION 14: TRANSPORT INFORMATION

ADR	This material is not classified as dangerous under ADR regulations.
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RID	This material is not classified as dangerous under RID regulations.
Sea transport (IMDG Code):	This material is not classified as dangerous under IMDG regulations.
Air transport (IATA):	This material is either not classified as dangerous under IATA regulations or needs to follow country specific requirements.

15. SECTION 15: REGULATORY INFORMATION

Not classified as dangerous under EC criteria.	
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture
Other regulatory information.	
15.1.1	EU regulations
	Authorisations and/or restrictions on use
15.1.2	National regulations
15.2	Chemical Safety Assessment

None known.
None known.
Not available.

16. SECTION 16: OTHER INFORMATION

Recommended restrictions on use (advice against)	Advice in this document relates only to product as originally supplied. Other derivative chemicals will have different properties and hazards. Advice should be sought on their safe handling and use.
Other Information	
Further Information	For Industry guidance and tools on REACH please visit the CEFIC website at http://cefic.org/industry-support .
MSDS Version Number	1.0
MSDS Effective Date	20.9.16
MSDS Revisions	A vertical bar () in the left margin indicates an amendment from the previous version.
MSDS Regulation	The content and format of this safety data sheet is in accordance with Regulation 1907/2006/EC.
MSDS Distribution	The information in his document should be made available to all who may handle the product.
Disclaimer	This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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