



# MATERIAL SAFETY DATA SHEET

according to Regulation (EC) 1907/2006 - REACH

<b>1. Identification of the substance/mixture and of the company/undertaking</b>					
<b>1.1 Product identifier:</b>		<b>FORK 5W</b>			
<b>1.2 Relevant identified uses of the substance or mixture:</b>		Lubricant oil			
<b>Uses advised against:</b>		All except above indicated			
<b>1.3 Details of the supplier of the safety data sheet:</b>		<b>Nils S.p.A.</b> <b>Via Stazione, 30</b> <b>39014 Postal (BZ)</b>  <b>Tel. +39 0473 29 24 00</b> <b>e-mail: <a href="mailto:nils@nils.it">nils@nils.it</a></b> <b>Fax: +39 0473 29 12 44</b> <b><a href="http://www.nils.eu">www.nils.eu</a></b> <b>Reference to safety data sheet:</b> Tel +39 0473 292400 <a href="mailto:schedasicurezza@nils.it">schedasicurezza@nils.it</a>			
<b>1.4 Emergency telephone number:</b>		Nils spa: +39 0473 29 24 00 (only available during office hours) Niguarda Milano Hospital Poison Centre: +39 02 66101029			
<b>2. Hazards identification</b>					
<b>2.1 Classification according to Regulation (EC) No. 1272/2008 (CLP-GHS):</b>		/			
<b>2.2 Label elements :</b>		None			
<b>Hazard statements H:</b>		/			
<b>Precautionary statements P:</b>		/			
<b>2.3 Other hazards:</b>		None			
<b>3. Composition/information on ingredients</b>					
<b>3.1 Mixtures</b>					
<b>Chemical description:</b>		Base oil and additives			
<b>Hazardous components:</b>					
<b>Nr. CE</b>	<b>Nr. CAS</b>	<b>Nr. Reach</b>	<b>Description</b>	<b>%</b>	<b>Class. 1272/08</b>
/	/	/	/	/	
<b>Additional information:</b>		Free of PCB/PCT. Complete list of H hazard statements is indicated in point 16 of this MSDS.			



4. First aid measures	
<p><b>4.1 Description of first aid measures</b></p> <p><b>-After inhalation:</b></p> <p><b>-After skin contact:</b></p> <p><b>-After eye contact:</b></p> <p><b>-After ingestion:</b></p> <p><b>4.2 Most important symptoms and effects, both acute and delayed:</b></p> <p><b>4.3 Indication of any immediate medical attention and special treatment needed:</b></p>	<p>Aerate the room, if necessary consult a doctor.</p> <p>Remove all contaminated clothing, wash off with soap and plenty of water.</p> <p>Rinse opened eye for several minutes under running water, if necessary consult a doctor.</p> <p>Do not induce vomiting in order to avoid pneumonia, seek medical attention.</p> <p>No data available.</p> <p>No data available.</p>
5. Firefighting measures	
<p><b>5.1 Extinguishing media</b></p> <p><b>Suitable extinguishing media:</b></p> <p><b>Unsuitable extinguishing media:</b></p> <p><b>5.2 Special hazards arising from the substance or mixture:</b></p> <p><b>5.3 Advice for firefighters:</b></p> <p><b>5.4 Additional information:</b></p>	<p>CO<sub>2</sub>, foam, extinguishing powder, sand.</p> <p>Water (use water only to cool the around surfaces).</p> <p>Carbon oxides, sulphur dioxide (SO<sub>2</sub>), nitrogen oxides, aliphatic and aromatic pyrolysis products.</p> <p>Body and respiratory protection devices.</p> <p>Do not allow the contaminated water into the sewage system.</p>
6. Accidental release measures	
<p><b>6.1 Personal precautions, protective equipment and emergency procedures:</b></p> <p><b>6.2 Environmental precautions:</b></p> <p><b>6.3 Methods and material for containment and cleaning up:</b></p> <p><b>6.4 Reference to other sections:</b></p>	<p>Avoid contact with skin and eyes and avoid vapour respiration. Take the precautions customary when handling chemicals. (Special protective equipment).</p> <p>Do not allow to enter the product in sewage system, surface of ground water.</p> <p>Use non-flammable absorbing products, sand, fossil meal, vermiculite. Attention danger of slipping.</p> <p>None</p>
7. Handling and storage	
<p><b>7.1 Precautions for safe handling:</b></p> <p><b>Information about protection against explosions and fires:</b></p> <p><b>7.2 Conditions for safe storage, including any incompatibilities:</b></p> <p><b>7.3 Specific end use(s):</b></p>	<p>Keep the site ventilated, avoid vapour respiration, prevent skin and eye contact.</p> <p>Do not smoke, avoid contact with ignition sources.</p> <p>Avoid to store with oxidants, store in tightly closed original holders in a dry, cool and well-ventilated place, protect from direct sunlight and frost, do not store on temperatures lower than 0°C.</p> <p>None</p>



## 8. Exposure controls/personal protection

8.1	<b>Control parameters:</b>	TLV/TWA limit values for oil mist (8h): 5 mg/m <sup>3</sup>
8.2	<b>Exposure controls</b>	
	<b>Personal protective equipment:</b>	
	<b>-General protective and hygiene measures:</b>	Avoid gas, vapour and aerosol respiration. Avoid prolonged and intensive skin contact. Removed immediately contaminated clothing. Wash hands before breaks and after work.
	<b>-Respiratory protection:</b>	No particular protective measures required in well ventilated site.
	<b>-Hand protection:</b>	Nitrile rubber oil resistant gloves, thickness 0.4mm, perforation time >240 min, use protective hand cream.
	<b>-Eye protection:</b>	Safety glasses.
	<b>-Body protection:</b>	Protective overall.

## 9. Physical and chemical properties

<b>Form:</b>	Liquid		
<b>Colour:</b>	Characteristic		
<b>Odour:</b>	Characteristic		
<b>Odour treshold:</b>	Not determined		
	<b>Value</b>	<b>Unit</b>	<b>Method</b>
<b>Flash point:</b>	220	°C	
<b>Density at 15°C:</b>	0.90	g/cm³	DIN 51757
<b>Solubility / miscibility in water:</b>	Not miscible		
<b>Viscosity at 40°C:</b>	17	mm²/s	DIN 51562
<b>pH at 23°C and concentr. 50 g/l:</b>	Not applicable		DIN 51369
<b>Selfignition:</b>	Product is not self-igniting		
<b>Danger of explosion:</b>	Product is not explosive		
<b>Drop point:</b>	Not applicable		
<b>Initial ebolition point:</b>	No data available		
<b>Evaporation rate:</b>	No data available		
<b>Flammability (solid, gas):</b>	Not applicable		
<b>Upper/lower flammability or explosive limits:</b>	No data available		
<b>Vapour pressure:</b>	No data available		
<b>Vapour density:</b>	No data available		
<b>Partition coefficient n-octanol/ water:</b>	No data available		
<b>Autoignition temperature:</b>	No data available		
<b>Decomposition temperature:</b>	No data available		
<b>Oxidising properties:</b>	No data available		

## 10. Stability and reactivity

10.1	<b>Reactivity:</b>	No decomposition if used according to the specifications.
10.2	<b>Chemical stability:</b>	Product is stabile during normal use.
10.3	<b>Possibility of hazardous reactions:</b>	No dangerous reaction known.
10.4	<b>Conditions to avoid:</b>	None under recommended storage and handling conditions.
10.5	<b>Incompatible materials:</b>	Strong oxidizing agents.
10.6	<b>Hazardous decomposition products:</b>	When exposed to high temperatures: carbon oxides, nitrogen oxides, smokes, aldehydes, ketones, carboxylic acids, sulphur oxides (SO <sub>x</sub> ).



11. Toxicological information	
<p><b>11.1 Information on toxicological effects:</b></p> <p><b>-Inhalation:</b></p> <p><b>- swallowing:</b></p> <p><b>-skin contact:</b></p> <p><b>-eye contact:</b></p> <p><b>-sensitization:</b></p>	<p>Prolonged exposition to vapour or mist may cause irritation of respiratory tract.</p> <p>May cause irritation of digestive tract, vomit, nausea and diarrhoea.</p> <p>Frequent and prolonged contact with skin may degrease and irritate it.</p> <p>May cause irritation.</p> <p>No senziting effects known.</p>
12. Ecological information	
<p><b>12.1 Toxicity:</b></p> <p><b>12.2 Persistence and degradability:</b></p> <p><b>12.3 Bioaccumulative potential:</b></p> <p><b>12.4 Mobility in soil:</b></p> <p><b>12.5 Results of PBT and vPvB assessment:</b></p> <p><b>12.6 Other adverse effects:</b></p>	<p>There are no data available on the product itself.</p> <p>Product is not easily biodegradable, do not allow to enter the product in sewage system, surface of ground water.</p> <p>There are no data available on the product itself.</p> <p>There are no data available on the product itself.</p> <p>There are no data available on the product itself.</p> <p>There are no data available on the product itself.</p>
13. Disposal considerations	
<p><b>13.1 Waste treatment methods</b></p> <p><b>-Recommendation:</b></p> <p><b>-Waste key:</b></p> <p><b>-Contaminated packaging:</b></p>	<p>Can not be disposed of together with household garbage. Do not allow product to reach sewage system</p> <p>120110</p> <p>In accordance with local official regulations.</p>
14. Transport information	
<p><b>14.1 UN number:</b></p> <p><b>14.2 UN proper shipping name:</b></p> <p><b>14.3 Transport hazard class(es):</b></p> <p><b>14.4 Packing group:</b></p> <p><b>14.5 Environmental hazards:</b></p> <p><b>14.6 Special precautions for user:</b></p>	<p>The product is not considered as dangerous for road transport (ADR/RID), air transport (ICAO/IATA) and sea transport (IMDG)</p> <p>/</p> <p>/</p> <p>/</p> <p>/</p> <p>/</p>



15. Regulatory information	
15.1 <b>Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>	Reg. CE 1272/2008 (CLP) Reg. CE 790/2009 (1° ATP CLP) Reg. 1907/2006 (Reach) Reg. UE 453/2010
15.2 <b>Chemical safety assessment:</b>	There are no data available on the product itself.
16. Other information	
<p>This MSDS was prepared in accordance to Regulation 1907/2006/CE (Reach).</p> <p><b>H hazard statements:</b> -</p> <p>This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.</p> <p>Last revision: 01.06.2015</p>	