



MATERIAL SAFETY DATA SHEET

according to Regulation (EC) 1907/2006 - REACH

1. Identification of the substance/mixture and of the company/undertaking				
1.1 Product identifier:		DUO MIX		
1.2 Relevant identified uses of the substance or mixture:		Lubricant oil		
Uses advised against:		All except above indicated		
1.3 Details of the supplier of the safety data sheet:		Nils S.p.A. Via Stazione, 30 39014 Postal (BZ) Tel. +39 0473 29 24 00 e-mail: nils@nils.it Fax: +39 0473 29 12 44 www.nils.eu Tel +39 0473 292400 schedasicurezza@nils.it		
Reference to safety data sheet:				
1.4 Emergency telephone number:		Nils spa:+39 0473 29 24 00 (only available during office hours) Niguarda Milano Hospital Poison Centre: +39 02 66101029		
2. Hazards identification				
2.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]:		/		
2.2 Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP]		None		
Hazard statements:		/		
Precautionary statements:		/		
2.3 Other hazards:		None		
3. Composition/information on ingredients				
3.1 Mixtures				
Chemical description:		Base oil and additives		
Hazardous components:				
Nr. CE	Nr. Reach	Description	%	Class. 1272/08
926-141-6	01-2119456620-43	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	25-50	Asp. Tox. 1, H304
Additional information:		Highly refined mineral oil (IP 346 DMSO extract < 3%). Free of PCB/PCT. Complete list of H hazard statements is indicated in point 16 of this MSDS.		



4. First aid measures	
<p>4.1 Description of first aid measures</p> <p>-After inhalation:</p> <p>-After skin contact:</p> <p>-After eye contact:</p> <p>-After ingestion:</p> <p>4.2 Most important symptoms and effects, both acute and delayed:</p> <p>4.3 Indication of any immediate medical attention and special treatment needed:</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>5.1 Extinguishing media</p> <p>Suitable extinguishing media:</p> <p>Unsuitable extinguishing media:</p> <p>5.2 Special hazards arising from the substance or mixture:</p> <p>5.3 Advice for firefighters:</p> <p>5.4 Additional information:</p>	<p>CO₂, foam, extinguishing powder, sand.</p> <p>Water (use water only to cool the around surfaces).</p> <p>Carbon oxides, sulphur dioxide (SO₂), 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>6.1 Personal precautions, protective equipment and emergency procedures:</p> <p>6.2 Environmental precautions:</p> <p>6.3 Methods and material for containment and cleaning up:</p> <p>6.4 Reference to other sections:</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>7.1 Precautions for safe handling:</p> <p>Information about protection against explosions and fires:</p> <p>7.2 Conditions for safe storage, including any incompatibilities:</p> <p>7.3 Specific end use(s):</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	Control parameters:	TLV/TWA limit values for oil mist (8h): 5 mg/m ³
8.2	Exposure controls Personal protective equipment: -General protective and hygiene measures: -Respiratory protection: -Hand protection: -Eye protection: -Body protection:	Avoid gas, vapour and aerosol respiration. Avoid prolonged and intensive skin contact. Removed immediately contaminated clothing. Wash hands before breaks and after work. No particular protective measures required in well ventilated site. Nitrile rubber oil resistant gloves, thickness 0.4mm, perforation time >240 min, use protective hand cream. Safety glasses. Protective overall.

9. Physical and chemical properties

Form:	Liquid
Colour:	red
Odour:	Characteristic
Odour treshold:	Not determined
Flash point:	Value 75 Unit °C Method
Density at 15°C:	0.875 g/cm ³ DIN 51757
Solubility / miscibility in water:	Not miscible
Viscosity at 40°C:	34 mm ² /s DIN 51562
pH at 23°C and concentr. 50 g/l:	Not applicable DIN 51369
Selfignition:	Product is not self-igniting
Danger of explosion:	Product is not explosive
Drop point:	Not applicable
Initial ebolition point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Partition coefficient n-octanol/ water:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Oxidising properties:	No data available

10. Stability and reactivity

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



11. Toxicological information	
<p>11.1 Information on toxicological effects: Acute toxicity:</p> <p>-Inhalation:</p> <p>- swallowing:</p> <p>-skin contact:</p> <p>-eye contact:</p> <p>-sensitization:</p>	<p><u>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics</u> DL50 (oral, rat): >5000 mg/kg DL50 (cutaneous, rat) > 5000 mg/kg CL50 (inhalation, rat) > 5 mg/l NOAEL (subchronic, oral) > 3000 mg/kg/d (rat) NOAEL (subchronic, inhalation): >10400 mg/m³h/d (rat)</p> <p>Prolonged exposition to vapour or mist may cause irritation of respiratory tract. May cause irritation of digestive tract, vomit, nausea and diarrhoea. Frequent and prolonged contact with skin may degrease and irritate it. May cause light irritation. No sensizing effects known.</p>
12. Ecological information	
<p>12.1 Toxicity: Aquatic toxicity:</p> <p>12.2 Persistence and degradability:</p> <p>12.3 Bioaccumulative potential:</p> <p>12.4 Mobility in soil:</p> <p>12.5 Results of PBT and vPvB assessment:</p> <p>12.6 Other adverse effects:</p>	<p><u>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics</u> EC50 > 1000 mg/l (algae, OECD 201) >1000 mg/l (daphnia, OECD 202) >1000 mg/l (fish, OECD 203) NOEC ≥1000 mg/l (algae. OECD 201)</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>13.1 Waste treatment methods -Recommendation:</p> <p>-Waste key:</p> <p>-Contaminated packaging:</p>	<p>Can not be disposed of together with household garbage. Do not allow product to reach sewage system</p> <p>130205</p> <p>In accordance with local official regulations.</p>



14. Transport information

14.1 UN number:	The product is not considered as dangerous for road transport (ADR/RID), air transport (ICAO/IATA) and sea transport (IMDG)
14.2 UN proper shipping name:	/
14.3 Transport hazard class(es):	/
14.4 Packing group:	/
14.5 Environmental hazards:	/
14.6 Special precautions for user:	/

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:	Reg. CE 1272/2008 (CLP) Reg. CE 790/2009 (1° ATP CLP) Reg. 1907/2006 (Reach) Reg. UE 453/2010
15.2 Chemical safety assessment:	There are no data available on the product itself.

16. Other information

This MSDS was prepared in accordance to Regulation 1907/2006/CE (Reach).

H hazard statements:

H304: May be fatal if swallowed and enters airways

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.

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