



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 SYNT S			
1.2 Relevant identified uses of the substance or mixture:		Lubricant oil for two-strokes engines			
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:					
CE Nr.	CAS Nr.	Reach Nr.	Description	%	Class. 1272/08
918-271-7	64742-48-9	01-2119979538-16	Hydrocarbons, C12-C13, isoalkanes, cyclics, <2% aromatics	32	Asp. Tox. 1, H304
Additional information:		Complete list of H hazard statements is indicated in point 16 of this MSDS.			



4. First aid measures

4.1 Description of first aid measures

-After inhalation:

-After skin contact:

-After eye contact:

-After ingestion:

Aerate the room, if necessary consult a doctor.

Remove all contaminated clothing, wash off with soap and plenty of water.

Rinse opened eye for several minutes under running water, if necessary consult a doctor.

Do not induce vomiting in order to avoid pneumonia, seek medical attention.

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

No data available.

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

No data available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

CO₂, foam, extinguishing powder, sand.

Unsuitable extinguishing media:

Water (use water only to cool the around surfaces).

5.2 Special hazards arising from the substance or mixture:

Carbon oxides

5.3 Advice for firefighters:

Body and respiratory protection devices.

5.4 Additional information:

Do not allow the contaminated water into the sewage system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes and avoid vapour respiration. Take the precautions customary when handling chemicals. (Special protective equipment).

6.2 Environmental precautions:

Do not allow to enter the product in sewage system, surface of ground water.

6.3 Methods and material for containment and cleaning up:

Use non-flammable absorbing products, sand, fossil meal, vermiculite. Attention danger of slipping.

6.4 Reference to other sections:

None

7. Handling and storage

7.1 Precautions for safe handling:

Keep the site ventilated, avoid vapour respiration, prevent skin and eye contact.

Information about protection against explosions and fires:

Do not smoke, avoid contact with ignition sources.

7.2 Conditions for safe storage, including any incompatibilities:

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.

7.3 Specific end use(s):

None



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:	Avoid gas, vapour and aerosol respiration. Avoid prolonged and intensive skin contact. Removed immediately contaminated clothing. Wash hands before breaks and after work.
	-Respiratory protection:	No particular protective measures required in well ventilated site.
	-Hand protection:	Nitrile rubber oil resistant gloves, thickness 0.4mm, perforation time >240 min, use protective hand cream.
	-Eye protection:	Safety glasses.
	-Body protection:	Protective overall.

9. Physical and chemical properties

Form:	Liquid		
Colour:	Characteristic		
Odour:	Characteristic		
Odour treshold:	Not determined		
	Value	Unit	Method
Flash point:	>61	°C	
Density at 15°C:	0.889	g/cm³	DIN 51757
Solubility / miscibility in water:	Not miscible		
Viscosity at 40°C:	35	mm²/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, strong acids, strong bases
10.6	Hazardous decomposition products:	When exposed to high temperatures: carbon oxides, smokes



11. Toxicological information

11.1 Information on toxicological effects: Acute toxicity:	No data available
-Inhalation:	Prolonged exposition to vapour or mist may cause irritation of respiratory tract.
- swallowing:	May cause irritation of digestive tract, vomit, nausea and diarrhoea.
-skin contact:	Frequent and prolonged contact with skin may degrease and irritate it.
-eye contact:	May cause light irritation.
-sensitization:	No sensizing effects known.

12. Ecological information

12.1 Toxicity: Aquatic toxicity:	CL 50 – fish >1000mg/l CE50 – Daphnia >1000mg/l ErC50 – algae >1000mg/l
12.2 Persistence and degradability:	biodegradable product: >60% (OECD 301B Method)
12.3 Bioaccumulative potential:	There are no data available on the product itself.
12.4 Mobility in soil:	There are no data available on the product itself.
12.5 Results of PBT and vPvB assessment:	There are no data available on the product itself.
12.6 Other adverse effects:	There are no data available on the product itself.

13. Disposal considerations

13.1 Waste treatment methods -Recommendation:	Can not be disposed of together with household garbage. Do not allow product to reach sewage system
-Waste key:	130207
-Contaminated packaging:	In accordance with local official regulations.



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
VOC	>3%
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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