





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: 1.2 Relevant identified uses of the substance or mixture: Uses advised against: 1.3 Details of the supplier of the safety data sheet: Reference to safety data sheet: 1.4 Emergency telephone number:	AIR FILTER Air filter oil All except above indicated Nils S.p.A. Via Stazione, 30 39014 Postal (BZ) Tel. +39 0473 29 24 00 Fax: +39 0473 29 12 44 Tel +39 0473 292400 schedasicurezza@nils.it e-mail: nils@nils.it www.nils.eu 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 of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] 2.2 Label elements: Hazardous components which must be listed on the label: Pictograms Signal word: Hazard statements:	H225 Flam. Liq.2 H304 Asp.Tox.1 H315 Skin Irrit.2 H336 STOT SE 3 H361f Repr.2 H373 STOT RE 2 H411 Aquatic Chronic 2 <div style="display: flex; justify-content: space-around; align-items: center;">     </div> <div style="display: flex; justify-content: space-around; align-items: center;"> GHS02 GHS07 GHS08 GHS09 </div> Danger H225 Highly flammable liquid and vapour H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation H336 May cause drowsiness or dizziness H361f Suspected of damaging fertility or the unborn child H373 May cause damage to organs through prolonged or repeated exposure H411 Toxic to aquatic life with long-lasting effects



<p>Precautionary statements:</p> <p>Contains:</p> <p>2.3 Other hazards:</p>	<p>P280 Wear protective gloves/protective clothing/eye protection/face protection P362+P364 Take off contaminated clothing and wash it before reuse P370+P378 In case of fire: Use CO2 or powder to extinguish P403+P233 Store in a well ventilated place. Keep container tightly closed P405 Store locked up. P501 Dispose of contents/container to authorised waste disposal.</p> <p>hexane</p> <p>None</p>
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3. Composition/information on ingredients

3.2 Mixtures Hazardous components:			Base oil with additives.		
EC No.	Nr. CAS	Nr. Reach	Description	%	Class. 1272/08
203-777-6	110-54-3	-	hexane	>30	H225 Flam. Liq. 2 H304 Asp. Tox. 1 H315 Skin Irrit. 2 H336 STOT SE 3 H361f Repr. 2 H373 STOT RE 2 H411 Aquatic Chronic 2
Additional information:			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>Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Provide fresh air. When in doubt or if symptoms are observed, get medical advice.</p> <p>Wash immediately with: Water and soap</p> <p>Remove contact lenses, if present and easy to do. Continue rinsing. Wash with plenty of water. Call a physician immediately.</p> <p>Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician immediately.</p> <p>See chapter 11.</p> <p>None</p>
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5. Firefighting measures	
5.1 Extinguishing media: Suitable extinguishing media: Unsuitable extinguishing media:	Foam , Extinguishing powder , Carbon dioxide (CO2) , Sand . Co-ordinate fire-fighting measures to the fire surroundings. Full water jet (use water only to cool the around surfaces)
5.2 Special hazards arising from the substance or mixture:	None.
5.3 Advice for firefighters:	Use suitable breathing apparatus.
5.4 Additional information:	Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water
6. Accidental release measures	
6.1 Personal precautions, protective equipment and emergency procedures:	Provide fresh air. Avoid contact with skin, eyes and clothes.
6.2 Environmental precautions:	Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.
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:	Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13.
7. Handling and storage	
7.1 Precautions for safe handling: Information about protection against explosions and fires:	No hazardous reaction when handled and stored according to provisions. Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol. Provide fresh air. Do not smoke, avoid contact with ignition sources
7.2 Conditions for safe storage, including any incompatibilities:	Dispose according to legislation. Do not allow to enter into surface water or drains. Possibility of hazardous reactions : Oxidising agent . Keep/Store only in original container. Notice the directions for use on the label. Do not store at temperatures below : 0 °C . Protect against : Protect against direct sunlight. Keep away from heat.
7.3 Specific end use(s):	None.



8. Exposure controls/personal protection

8.1	Control parameters:	TLV/TWA Hexane: 72 mg/m ³
8.2	Exposure controls Personal protective equipment: -General protective and hygiene measures: -Respiratory protection: -Eye protection: - Hand protection:	<p>General health and safety measures No special measures are necessary.</p> <p>Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.</p> <p>No particular protective measures required in well ventilated site. If technical exhaust or ventilation measures are not possible or insufficient, use a respiratory protection type A/P2. Additional eye protection measures : Wear eye/face protection.</p> <p>Tested protective gloves must be worn Breakthrough time (maximum wearing time) : 4 hours (NBR (Nitrile rubber) , Thickness of the glove material : 0,4 mm).</p>

9. Physical and chemical properties

9.1	Form: Colour: Odour: pH-Value: Initial ebolition point: Flash point: Danger of explosion: Density : (20°C) Solubility in / Miscibility with Water: Viscosity kinematic (20°C) Lower explosion limit Upper explosion limit Vapour pressure at 20 ° C:	<p>liquid characteristic Characteristic</p> <table> <thead> <tr> <th><i>Value</i></th><th><i>Unit</i></th><th><i>Method</i></th></tr> </thead> <tbody> <tr> <td>not applicable</td><td></td><td>DIN 51 369</td></tr> <tr> <td>69</td><td>°C</td><td></td></tr> <tr> <td>-22</td><td>°C</td><td></td></tr> <tr> <td>Product is not explosive</td><td></td><td></td></tr> <tr> <td>ca. 0,750</td><td>g/cm³</td><td>DIN 51757</td></tr> <tr> <td>Insoluble</td><td></td><td></td></tr> <tr> <td>1.0</td><td>mm²/s</td><td>DIN 51562</td></tr> <tr> <td>1.4</td><td>Vol-%</td><td></td></tr> <tr> <td>7.4</td><td>Vol-%</td><td></td></tr> <tr> <td>16200 Pa</td><td></td><td></td></tr> </tbody> </table>	<i>Value</i>	<i>Unit</i>	<i>Method</i>	not applicable		DIN 51 369	69	°C		-22	°C		Product is not explosive			ca. 0,750	g/cm ³	DIN 51757	Insoluble			1.0	mm ² /s	DIN 51562	1.4	Vol-%		7.4	Vol-%		16200 Pa		
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9.2	Other informations:	VOC: 50% / 375 g/l																																	

10. Stability and reactivity

10.1	Reactivity:	No decomposition if used according to 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	Stable under recommended storage and handling conditions. Protect from sunlight and do not expose to temperatures exceeding 50 ° C.
10.5	Incompatible materials	Strong oxidizing agents.
10.6	Hazardous decomposition products	Does not decompose when used for intended uses.



11. Toxicological information

11.1	Information on toxicological effects: n-hexane Inhalation: Swallowing: Skin contact: Eye contact : Sensitising effects STOT-single exposure Severe effects after repeated or prolonged exposure Carcinogenic/mutagenic/toxic effects for reproduction Aspiration hazard Additional information on tests	LD50 (oral, rat) > 5000 mg/kg LD50 (dermal, rabbit) > 5000 mg/kg LC50 (inhalation, rat, 4 hours) > 50 mg/l 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 information available. No information available. No information available. No information available. No information available. No hazardous reaction when handled and stored according to provisions.
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12. Ecological information

12.1	Toxicity:	No information available.
12.2	Persistence and degradability:	Product is not easily biodegradable, do not allow to enter the product in sewage system, surface of ground water.
12.3	Bioaccumulative potential:	No information available.
12.4	Mobility in soil:	No information available. Do not allow to enter into soil/subsoil.
12.5	Results of PBT and vPvB assessment:	No information available.
12.6	Other adverse effects:	No information available.

13. Disposal considerations

13.1	Waste treatment methods -Recommendation: -Contaminated packaging:	Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Completely emptied packages can be recycled. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself. Dispose according to legislation. Do not allow to enter into surface water or drains.
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14. Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Hexane)
14.3. Transport hazard class(es):	3
14.4. Hazard identification number:	33
14.5. Packing group:	II
Hazard label:	3, EHS
Classification code:	F1
Special Provisions:	274 601 640C
Limited quantity (LQ):	1 L
Transport category:	3
Tunnel restriction code:	D/E

Other applicable information (land transport)

14.6 Special precautions for user

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Fire hazards, explosion hazards, the packaging can burst to the effect of heat.
Do not allow to enter the product in sewage system, surface of ground water.

Marine transport (IMDG)

14.1. UN number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Hexane)
14.3. Transport hazard class(es):	3
14.4. Hazard identification number:	33
14.5. Packing group:	II
Hazard label:	3, EHS
Special Provisions:	274,330,944
Limited quantity (LQ):	1 L
EmS:	F-E, S-D

Other applicable information (marine transport)

14.6 Special precautions for user

Marine Pollutant
Fire hazards, explosion hazards, the packaging can burst to the effect of heat.
Do not allow to enter the product in sewage system, surface of ground water.

Air transport (ICAO)

14.1. UN number:	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (cas.no. 64742-88-7)
14.3. Transport hazard class(es):	3
14.4. Hazard identification number:	33
14.5. Packing group:	III
Hazard label:	3, EHS
Special Provisions:	A3, A148
Limited quantity (LQ) Passenger:	1L
IATA-packing instructions - Passenger:	305
IATA-max. quantity - Passenger:	5L
IATA-packing instructions - Cargo:	307
IATA-max. quantity - Cargo:	60L

Other applicable information (air transport)

14.6 Special precautions for user

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Fire hazards, explosion hazards, the packaging can burst to the effect of heat.
Do not allow to enter the product in sewage system, surface of ground water.



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

Other regulations

DPR 303/56 Igiene sul lavoro ove ancora valido
D.L. n°81 del 9/4/2008 Testo Unico sulla Sicurezza con successive modifiche e attuazioni di Direttive UE
DPR 336/94 Tabella malattie professionali nell'industria

15.2 Chemical safety assessment

No information available.
Aliphatic hydrocarbons: >30%

16. Other information

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

H hazard statements:

H225 Highly flammable liquid and vapour
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation
H336 May cause drowsiness or dizziness
H361f Suspected of damaging fertility or the unborn child
H373 May cause damage to organs through prolonged or repeated exposure
H411 Toxic to aquatic life with long-lasting effects

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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