


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:	HTF
1.2 Relevant identified uses of the substance or mixture:	Lubricant grease
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 Reference to safety data sheet: Tel +39 0473 292400 schedasicurezza@nils.it
1.4 Emergency telephone number:	Nils S.p.A.: +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-GHS):	Eye Irrit. 2 ; H319 Category 2A
2.2 Label elements :	 GHS07: Warning Hazard statements H: Precautionary statements P: H319: Causes serious eye irritation. P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P337+P313: If eye irritation persists: Get medical advice/attention. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do - continue rinsing.
2.3 Other hazards:	None

3. Composition/information on ingredients

3.1 Mixtures

Chemical description:

Hazardous components:

Base oil, thickener and additives

Nr. CE	Nr. CAS	Nr. REACH	Description	%	Class. 1272/08
224-235-5	4259-15-8	01-2119493635 - 27-000	2-ethylhexylzincdithiophosphate	1-2.5	Eye dam.1, H318 Aqu. chron.2; H 411
270-608-0	68457-79-4		Zinc Dialkyl Dithiophosphate	0-1	Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aqu. Chronic 2 ; H411

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

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, sulphur dioxide (SO₂), nitrogen oxides, aliphatic and aromatic pyrolysis products.

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. 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):	No data available.

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, DIN/EN norm 374, thickness 0.4mm, perforation time >240 min, use protective hand cream.
	-Eye protection:	Safety glasses.
	-Body protection:	Protective work clothing.

9. Physical and chemical properties

Form:	Pasty		
Colour:	Characteristic		
Odour:	Characteristic		
Odour treshold:	Not determined		
	Value	Unit	Method
Flash point:	>200	°C	
Density at 20°C:	ca 0.94	g/cm³	DIN 51757
Solubility / miscibility in water:	Imiscible		
Viscosity at 20°C:	Not applicable	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:	>260	°C	
Initial ebolition point:	>250	°C	
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 specifications
10.2	Chemical stability:	Product is stable 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, sulphur oxides (SO _x), smokes, aldehydes, ketones, carboxylic acids
11. Toxicological information		
11.1	Information on toxicological effects:	
	-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 senziting effects known.
12. Ecological information		
12.1	Toxicity:	There are no data available on the product itself.
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:	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:	12 01 12 spent waxes and greases.
	-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

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:

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

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.

Last revision: 01.06.2015