Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010 Date of issue:4/03/2004 Revision date:19/07/2016Supersedes:10/06/2016 Version: 3.2

SECTION 1: Ident	ification of the substance	/mixture and of the compar	nv/undertaking	
1.1. Product ider			<i></i>	
Product form	: Mixtu	ire		
Product name	: WOL	F AROW ISO 150		
Product code	: 4009			
Product group	: Blend	t		
1.2. Relevant ide	ntified uses of the substance or	mixture and uses advised agains	t	
1.2.1. Relevant ide	ntified uses			
Main use category	: Indus	strial use,Professional use,Consume	r use	
Industrial/Professional		dispersive use in closed systems		
Function or use catego	y : Lubri	cants and additives		
1.2.2. Uses advise	-			
No additional information	n available			
1.3. Details of the	e supplier of the safety data she	et		
WOLF OIL CORPORA Georges Gilliotstraat, 5 2620 Hemiksem - Belgi T 0032 (0)3 870 00 00	2 ë			
info@wolfoil.com				
1.4. Emergency f	elephone number			
Emergency number	: +32 *	14 58 45 45 (NL/EN/FR/DE)		
SECTION 2: Haza	rds identification			
	n of the substance or mixture			
Classification accordi	ng to Regulation (EC) No. 1272/2			
Not classified				
2.2. Label eleme	nts			
Labelling according to	Regulation (EC) No. 1272/2008	[CLP]		
Child-resistant fastening	g : No			
Tactile warning	: No			
2.3. Other hazard	ls			
No additional information				
SECTION 3: Com	position/information on in	gredients		
3.1. Substance				
Not applicable				
3.2. Mixture				
VIZ. MIXTUIC				
Nome		Dreduct identifier	0/	Cleanification according to
Name		Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinkalkyldithiophosphate		(CAS No) 68649-42-3	0,1 - 0,99	Eye Dam. 1, H318
		(EC no) 272-028-3 (REACH-no) 01-2119493635-27		Aquatic Chronic 2, H411
		(NEAOTHO) 01-2113-33033-21	I	1

Full text of H-statements: see section 16

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SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Not expected to require first aid measures.
First-aid measures after skin contact	: Wash skin with mild soap and water.
First-aid measures after eye contact	. In case of eye contact, immediately rinse with clean water for 10-15 minutes.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.
4.2. Most important symptoms and effect	-
Symptoms/injuries after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal
Symptoms/injunes alter initialation	USE.
Symptoms/injuries after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/injuries after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal
	use.
Symptoms/injuries after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.
4.3. Indication of any immediate medical	attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water fog. Foam. Powder. Dry chemical product.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the sub	ostance or mixture
No additional information available	
5.3. Advice for firefighters	
Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release meas	sures
6.1. Personal precautions, protective equ	
6.1.1 For non-emergency personnel	
6.1.1. For non-emergency personnel Protective equipment	
6.1.1. For non-emergency personnel Protective equipment	: Wear suitable protective clothing and gloves.
Protective equipment	
Protective equipment 6.1.2. For emergency responders	: Wear suitable protective clothing and gloves.
Protective equipment 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions	: Wear suitable protective clothing and gloves.
Protective equipment 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify	 Wear suitable protective clothing and gloves. Wear suitable protective clothing and gloves. authorities if product enters sewers or public waters.
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No additional information available

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SECTION 8: Exposure control	ls/personal protection
8.1. Control parameters	
Additional information	: 5 mg/m3 for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).
8.2. Exposure controls	
Personal protective equipment	: Safety glasses. Gloves.
Hand protection	: Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Nitrile rubber (NBR) /
Skin and body protection	: No special clothing/skin protection equipment is recommended under normal conditions of use
Respiratory protection	: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and o	chemical properties	
Physical state	: Liquid	
Appearance	: Oily liquid.	
Colour	: Yellow-brown.	
Odour	: Characteristic.	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: > 215 °C @ ASTM D92	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Density	: 890 kg/m³ @15°C	
Solubility	: Slightly soluble, the product remains on the water surface.	
Log Pow	: No data available	
Viscosity, kinematic	: 150 mm²/s @ 40°C	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	
9.2. Other information		

No additional information available

SECTION	ON 10: Stability and reactivity
10.1.	Reactivity
None une	der normal conditions.
10.2.	Chemical stability
Stable ur	nder normal conditions.
10.3.	Possibility of hazardous reactions
None une	der normal conditions.

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No data available. 10.5. Incompatible mate	
10.5. Incompatible mate	
	rials
Strong oxidizers. acids. Bases	
10.6. Hazardous decom	osition products

None under normal conditions.

SECTION 11: Toxicological informat	lion
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
WOLF AROW ISO 150	
Viscosity, kinematic	150 mm²/s @ 40°C

SECT	ON 12: Ecological information	
12.1.	Toxicity	
No addi	tional information available	
12.2.	Persistence and degradability	
WOLF	AROW ISO 150	
Persis	tence and degradability	Not soluble in water, so only minimally biodegradable.
12.3.	Bioaccumulative potential	
	tional information available	
40.4	Mehiliky in ceil	
12.4.	Mobility in soil	
No addi	tional information available	
12.5.	Results of PBT and vPvB assessment	
No addi	tional information available	
12.6.	Other adverse effects	
	tional information available	
SECT	ON 13: Disposal considerations	
13.1.	Waste treatment methods	
Addition	al information :	: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN 14.1. **UN number** Not regulated for transport 14.2. **UN proper shipping name** Proper Shipping Name (ADR) : Not applicable Proper Shipping Name (IMDG) : Not applicable Proper Shipping Name (IATA) : Not applicable Proper Shipping Name (ADN) : Not applicable : Not applicable Proper Shipping Name (RID)

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	in its amendment Regulation (EC) No. 453/2010
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID Transport hazard class(es) (RID)	: Not applicable
· · · · ·	
14.4.Packing groupPacking group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant Other information	: No
Other mormation	: No supplementary information available
14.6. Special precautions for user	
- Overland transport	
No data available	
- Transport by sea	
No data available	
- Air transport	
No data available	
- Inland waterway transport	
No data available	
- Rail transport	
No data available	
14.7. Transport in bulk according to Anne	x II of MARPOL 73/78 and the IBC Code
Not applicable	
SECTION 15: Regulatory information	
	gulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations	
Contains no REACH substances with Annex XVI	I restrictions
Contains no substance on the REACH candidate	
Contains no REACH Annex XIV substances	
15.1.2. National regulations	
Germany	
VwVwS Annex reference	: Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal	: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)
Immission Control Act - 12.BImSchV	· · · · · · · · · · · ·

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Netherlands

SZW-lijst van kankerverwekkende stoffen SZW-lijst van mutagene stoffen NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	 Zinkalkyldithiophosphate is listed Zinkalkyldithiophosphate is listed None of the components are listed None of the components are listed None of the components are listed
Denmark	

Classification remarks

: Emergency management guidelines for the storage of flammable liquids must be followed

15.2. Chemical safety assessmentNo chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other informatio	N 16: Other information
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.2		Composition/informatio n on ingredients	Modified		
breviation	s and acronyms:				
	ACGIH: American Conference of Governmental Industrial Hygienists				
	TWA: Time Weighted Average				
	TLV: Threshold Limit Value				
	ASTM: American Society for Testing and Materials				
	ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route				
	RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail				
	ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhir				
	IMDG: International Maritime Dangerous Goods				
	ICAO: International Civil Aviation Organization				
	IATA: International Air Transport Association				
	STEL: Short Term Exposure Limit				
	LD50: median Lethal Dose for 50% of subjects				
	ATE: acute toxicity estimat	ATE: acute toxicity estimate			
	LC50: median Lethal Cond	LC50: median Lethal Concentration for 50% of subjects			
	EC50: concentration produ	icing 50% effect			

Other information

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
H318	Causes serious eye damage	
H411	Toxic to aquatic life with long lasting effects	

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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