Revision nr. 2 NANOPHOS S.A. Dated 26/05/2023 Printed on 26/05/2023 **HDO Heavy Duty Deck Oil** Page n. 1/18 Replaced revision:1 (Dated: 14/07/2021)

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

NanoPhos_120721-003 Code: Product name **HDO Heavy Duty Deck Oil** UFI: RSRV-S0HH-X00J-W5MD

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Impregnation oil for protection & nutrition of wooden surfaces

Solvent-based Alkyd

1.3. Details of the supplier of the safety data sheet

NANOPHOS S.A. Name

Full address **Technological & Cultural Park** District and Country

19 500 Lavrio (Greece)

Greece

Tel. +30 22920 69312 Fax +30 22920 69303

e-mail address of the competent person

responsible for the Safety Data Sheet iarabatz@NanoPhos.com Supplier:

Ioannis Arabatzis

1.4. Emergency telephone number

+30 2107793777 For urgent inquiries refer to

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 3 H226 Flammable liquid and vapour.

Specific target organ toxicity - repeated exposure, category 1 Causes damage to organs through prolonged or repeated H372

exposure.

Specific target organ toxicity - single exposure, category 3 H335 May cause respiratory irritation. May cause an allergic skin reaction. Skin sensitization, category 1A H317 Specific target organ toxicity - single exposure, category 3 H336 May cause drowsiness or dizziness. Hazardous to the aquatic environment, chronic toxicity, Toxic to aquatic life with long lasting effects. H411

category 2

2.2. Label elements

HDO Heavy Duty Deck Oil

Revision nr. 2

Dated 26/05/2023

Printed on 26/05/2023

Page n. 2/18

Replaced revision:1 (Dated: 14/07/2021)

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:









Signal words: Danger

Hazard statements:

H226 Flammable liquid and vapour.

H372 Causes damage to organs through prolonged or repeated exposure.

H335 May cause respiratory irritation.
 H317 May cause an allergic skin reaction.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/ protective clothing / eye protection / face protection.

P370+P378 In case of fire: use dry powder or Carbon Dioxide (CO2) fire extinguisher to extinguish.

P273 Avoid release to the environment.

P391 Collect spillage.

P321 Specific treatment (see . . . on this label).

P242 Use non-sparking tools.

P403+P235 Store in a well-ventilated place. Keep cool.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P270 Do not eat, drink or smoke when using this product.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P264 Wash with plenty of water and soap thoroughly after handling.
P240 Ground and bond container and receiving equipment.

P243 Take action to prevent static discharges.

P241 Use explosion-proof [electrical / ventilating / lighting / . . .] equipment.
P272 Contaminated work clothing should not be allowed out of the workplace.

P103 Read label before use.

P501 Dispose of contents or container according to local/national/international regulations

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P312 Call a POISON CENTRE or a doctor if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P362+P364 Take off contaminated clothing and wash it before reuse.
P260 Do not breathe fume, mist or spray.

P271 Use only outdoors or in a well-ventilated area.

P405 Use only outdoors or in a well-vent

Contains: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hydrocarbons, C9, aromatics 2-octyl-2H-isothiazol-3-one

COBALT BIS 2-ETHYL HEXANOATE

BUTANONE OXIME

Reaction mass of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-

 $hydroxypoly (oxyethylene) \ and \ alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl-2-yl)-0-tert-butyl-4-hydroxyphenyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-butyl-0-tert-b$

benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)

Restricted to professional users

HDO Heavy Duty Deck Oil

Revision nr. 2

Dated 26/05/2023

Printed on 26/05/2023

Page n. 3/18

Replaced revision:1 (Dated: 14/07/2021)

VOC (Directive 2004/42/EC) :

Minimal build woodstains.

VOC given in g/litre of product in a ready-to-use condition : 580,00 Limit value: 700,00

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration greater 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. % Classification (EC) 1272/2008 (CLP)

Hydrocarbons, C9, aromatics

Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336, INDEX -30 < x < 50

Aquatic Chronic 2 H411, EUH066

EC 918-668-5 CAS 64742-95-6

Hydrocarbons, C9-C12, n-alkanes,

isoalkanes, cyclics, aromatics (2-25%)

INDEX -20 < x < 25

Flam. Liq. 3 H226, STOT RE 1 H372, Asp. Tox. 1 H304, STOT SE 3 H336,

Aquatic Chronic 2 H411, EUH066

EC 919-446-0 CAS 1174921-79-9

Reaction mass of alpha-3-(3-(2Hbenzotriazol-2-yl)-5-tert-butyl-4hydroxyphenyl)propionyl-omegahydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-

tert-butyl-4-

hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tertbutyl-4-

hydroxyphenyl)propionyloxypoly(o xyethylene)

INDEX 607-176-00-3 0 < x < 1

Skin Sens. 1 H317, Aquatic Chronic 2 H411

EC 400-830-7

CAS -

CALCIUM BIS 2-ETHYLHEXANOATE

INDEX -0 < x < 1Repr. 2 H361, Eye Dam. 1 H318

EC 205-249-0 CAS 136-51-6

2-ETHYLHEXANOIC ACID,

ZIRCONIUM SALT

Revision nr. 2 NANOPHOS S.A. Dated 26/05/2023 Printed on 26/05/2023 **HDO Heavy Duty Deck Oil** Page n. 4/18 Replaced revision:1 (Dated: 14/07/2021) INDEX -0 < x < 3Repr. 2 H361 FC 245-018-1 CAS 22464-99-9 **BUTANONE OXIME** INDEX 616-014-00-0 0 < x < 1Carc. 2 H351, Acute Tox. 4 H312, Eye Dam. 1 H318, Skin Sens. 1 H317 EC 202-496-6 LD50 Dermal: 1100 mg/kg CAS 96-29-7 2-octyl-2H-isothiazol-3-one INDEX 613-112-00-5 0.0015 < x <Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=10, 0,25 Aquatic Chronic 1 H410 M=1 EC 247-761-7 Skin Sens. 1A H317: ≥ 0,0015% STA Oral: 100 mg/kg, LD50 Dermal: 311 mg/kg, LC50 Inhalation vapours: CAS 26530-20-1 0,58 mg/l/4h, STA Inhalation vapours: 3 mg/l **COBALT BIS 2-ETHYL HEXANOATE**

The full wording of hazard (H) phrases is given in section 16 of the sheet.

0,1 < x < 3

SECTION 4. First aid measures

4.1. Description of first aid measures

INDEX -

EC 205-250-6 CAS 136-52-7

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

M=1, Aquatic Chronic 3 H412

Repr. 2 H361fd, Eye Irrit. 2 H319, Skin Sens. 1A H317, Aquatic Acute 1 H400

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

NANOPHOS S.A. Revision nr. 2 Dated 26/05/2023 Printed on 26/05/2023 Page n. 5/18 Replaced revision:1 (Dated: 14/07/2021)

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

HDO Heavy Duty Deck Oil

Revision nr. 2

Dated 26/05/2023

Printed on 26/05/2023

Page n. 6/18

Replaced revision:1 (Dated: 14/07/2021)

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

GBR

Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum i pentru modificarea ROU România

United Kingdom

i completarea hotărârii guvernului nr. 1.093/2006 EH40/2005 Workplace exposure limits (Fourth Edition 2020)

TLV-ACGIH ACGIH 2022

Hydrocarbons, C9-C12	2, n-alkanes, isoalk	anes, cyclics, ard	omatics (2-25%	%)				
Health - Derived no-ef	fect level - DNEL / I							
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
				systemic		systemic		systemic
Oral								330
Inhalation				71 mg/m3				330 mg/m3
Skin				26 mg/kg				44 mg/kg
				bw/d				bw/d

Threshold Limit Val	ue	SALI				
Туре	Country TWA/8h STEL/15min			Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm	
TLV	ROU	5		10		în Zr
WEL	GBR	5		10		As Zr
TLV-ACGIH		5		10		

Predicted no-effect concentration - PNEC								
Normal value in fresh water					mg/l			
ct level - DNEL / D	DMEL							
Effects on				Effects on				
consumers				workers				
Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic	
			systemic		systemic		systemic	
		2 mg/m3	2,7 mg/m3			3,33 mg/m3	9 mg/m3	
	1,5 mg/kg bw/d		0,78 mg/kg		2,5 mg/kg		1,3 mg/kg bw/d	
	ct level - DNEL / I Effects on consumers	ct level - DNEL / DMEL Effects on consumers Acute local Acute systemic	ct level - DNEL / DMEL Effects on consumers Acute local Acute systemic Chronic local 2 mg/m3	0,256 Ct level - DNEL / DMEL Effects on consumers Acute local Acute systemic Chronic local Chronic systemic 2 mg/m3 2,7 mg/m3 1,5 mg/kg bw/d 0,78 mg/kg	0,256 mg Ct level - DNEL / DMEL Effects on consumers Effects on workers Acute local Acute systemic Chronic local Chronic systemic Acute local systemic 2 mg/m3 2,7 mg/m3 1,5 mg/kg bw/d 0,78 mg/kg	0,256 mg/l	0,256 mg/l Ct level - DNEL / DMEL Effects on consumers Acute local Acute systemic Chronic local Chronic systemic Systemic Systemic Systemic Systemic 3,333 mg/m3	

COBALT BIS 2-ETHYL HEXANOATE								
Threshold Limit Value	Je							
Туре	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
WEL	GBR	0,1					As Co	
TLV-ACGIH		0,02				INHAL	Со	

NANOPHOS S.A. Revision nr. 2 Dated 26/05/2023 Dated 26/05/2023 Printed on 26/05/2023 Page n. 7/18 Replaced revision:1 (Dated: 14/07/2021)

Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category III professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

HDO Heavy Duty Deck Oil

Revision nr. 2

Dated 26/05/2023

Printed on 26/05/2023

Page n. 8/18

Replaced revision:1 (Dated: 14/07/2021)

Properties Value Information Appearance liquid

Colour transparent Odour characteristic Melting point / freezing point not available Initial boiling point not available Flammability not available Lower explosive limit not available Upper explosive limit not available Flash point 23 < T < 60 °C Auto-ignition temperature not available Decomposition temperature not available

pH not applicable
Kinematic viscosity 6500 ±1000mm²/sec

Kinematic viscosity 6500 ±1000n Solubility not available

Partition coefficient: n-octanol/water not available
Vapour pressure not available
Density and/or relative density not available
Relative vapour density not available
Particle characteristics not applicable

Temperature: 40 °C

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

BUTANONE OXIME

Decomposes under the effect of heat.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT

SADT = 210°C/410°F.

Revision nr. 2 NANOPHOS S.A. Dated 26/05/2023 Printed on 26/05/2023 **HDO Heavy Duty Deck Oil** Page n. 9/18 Replaced revision:1 (Dated: 14/07/2021) 10.3. Possibility of hazardous reactions The vapours may also form explosive mixtures with the air. BUTANONE OXIME Reacts violently with: strong oxidising agents, acids. Above the flash point (69°C/156°F), explosive mixtures can form with air. 10.4. Conditions to avoid Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition. 10.5. Incompatible materials **BUTANONE OXIME** Incompatible with: oxidising substances, strong acids. 10.6. Hazardous decomposition products In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released. BUTANONE OXIME May develop: nitric oxide,carbon oxides.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological

SECTION 11. Toxicological information

the criteria specified in the applicable regulation for classification.

Metabolism, toxicokinetics, mechanism of action and other information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

effects of exposure to the product.

Information not available

Information not available

Information on likely routes of exposure

HDO Heavy Duty Deck Oil

Revision nr. 2

Dated 26/05/2023

Printed on 26/05/2023

Page n. 10/18

Replaced revision:1 (Dated: 14/07/2021)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation - vapours) of the mixture: > 20 mg/l
ATE (Oral) of the mixture: > 2000 mg/kg
ATE (Dermal) of the mixture: > 2000 mg/kg

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

LD50 (Dermal): > 3400 mg/kg rabbit LD50 (Oral): > 15000 mg/kg rat

CALCIUM BIS 2-ETHYLHEXANOATE

 LD50 (Dermal):
 > 2000 mg/kg Rat - Wistar

 LD50 (Oral):
 2043 mg/kg Rat - Fischer 344

2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT

LD50 (Dermal): > 2000 mg/kg Rat - Wistar

LD50 (Oral): > 5000 mg/kg Rat - Sprague-Dawley

LC50 (Inhalation vapours): > 4,3 mg/l/4h Rat

BUTANONE OXIME

LD50 (Dermal): 1100 mg/kg LD50 (Oral): 100 mg/kg Rabbit

2-octyl-2H-isothiazol-3-one

LD50 (Dermal): 311 mg/kg LD50 (Oral): 318 mg/kg

STA (Oral): 100 mg/kg estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

LC50 (Inhalation vapours): 0,58 mg/l/4h

STA (Inhalation vapours): 3 mg/l estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

COBALT BIS 2-ETHYL HEXANOATE

LD50 (Dermal): > 2000 mg/kg Rat - Wistar LD50 (Oral): 3129 mg/kg Rat - Sprague-Dawley

NANOPHOS S.A.	Revision nr. 2
	Dated 26/05/2023
HDO Heavy Duty Deck Oil	Printed on 26/05/2023
	Page n. 11/18
	Replaced revision:1 (Dated: 14/07/2021)
SKIN CORROSION / IRRITATION	
Repeated exposure may cause skin dryness or cracking.	
CERIOLIC EVE DAMAGE / IRRITATION	
SERIOUS EYE DAMAGE / IRRITATION	
Does not meet the classification criteria for this hazard class	
DESCRIPATORY OF SIZIN SENISITISATION	
RESPIRATORY OR SKIN SENSITISATION	
Sensitising for the skin	
GERM CELL MUTAGENICITY	
SERWI GEEE MIG FAGERIOIT F	
Does not meet the classification criteria for this hazard class	
CARCINOGENICITY	
Does not meet the classification criteria for this hazard class	
REPRODUCTIVE TOXICITY	
Does not meet the classification criteria for this hazard class	
STOT - SINGLE EXPOSURE	
May cause respiratory irritation	
iway cause respiratory irritation	
May cause drowsiness or dizziness	
STOT - REPEATED EXPOSURE	
OTO. NE. EMED EM GOOKE	
Causes damage to organs	

NANOPHOS S.A. Revision nr. 2 Dated 26/05/2023 Printed on 26/05/2023 Page n. 12/18 Replaced revision:1 (Dated: 14/07/2021)

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: 6500 mm2/sec

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment. 12.1. Toxicity

2-octyl-2H-isothiazol-3-one

 LC50 - for Fish
 0,047 mg/l/96h

 EC50 - for Crustacea
 0,32 mg/l/48h

 EC10 for Algae / Aquatic Plants
 0,031 mg/l/72h

CALCIUM BIS 2-ETHYLHEXANOATE

LC50 - for Fish > 100 mg/l/96h Oryzias latipes
EC50 - for Crustacea 910 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 49,3 mg/l/72h Desmodesmus subspicatus

COBALT BIS 2-ETHYL HEXANOATE

LC50 - for Fish 275 mg/l/96h Fundulus heteroclitus

2-ETHYLHEXANOIC ACID, ZIRCONIUM

SALT

LC50 - for Fish > 100 mg/l/96h Danio rerio

EC50 - for Algae / Aquatic Plants 49,3 mg/l/72h Desmodesmus subspicatus

12.2. Persistence and degradability

2-octyl-2H-isothiazol-3-one NOT rapidly degradable

CALCIUM BIS 2-ETHYLHEXANOATE

Solubility in water > 10000 mg/l

Rapidly degradable

COBALT BIS 2-ETHYL HEXANOATE

Solubility in water > 10000 mg/l

Rapidly degradable

2-ETHYLHEXANOIC ACID, ZIRCONIUM

SALT

Solubility in water < 0,1 mg/l

Rapidly degradable BUTANONE OXIME

HDO Heavy Duty Deck Oil

Revision nr. 2

Dated 26/05/2023

Printed on 26/05/2023

Page n. 13/18

Replaced revision:1 (Dated: 14/07/2021)

Solubility in water 1000 - 10000 mg/l

Entirely degradable

12.3. Bioaccumulative potential

CALCIUM BIS 2-ETHYLHEXANOATE

Partition coefficient: n-octanol/water 2,96

BUTANONE OXIME

Partition coefficient: n-octanol/water 0,63 BCF 0,5

12.4. Mobility in soil

BUTANONE OXIME

Partition coefficient: soil/water 0.55

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: 1263

14.2. UN proper shipping name

HDO Heavy Duty Deck Oil

Revision nr. 2

Dated 26/05/2023 Printed on 26/05/2023

Page n. 14/18

Replaced revision:1 (Dated: 14/07/2021)

PAINT RELATED MATERIAL ADR / RID: IMDG: PAINT RELATED MATERIAL IATA: PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR / RID:

Class: 3

Label: 3

IMDG:

Class: 3

Label: 3

IATA:

Class: 3

Label: 3



14.4. Packing group

ADR / RID, IMDG, IATA:

Ш

14.5. Environmental hazards

ADR / RID:

Environmentally

Hazardous

IMDG:

Marine Pollutant

IATA:

NO

For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

14.6. Special precautions for user

ADR / RID:

HIN - Kemler: 30

Limited Quantities: 5

Tunnel restriction

code: (D/E)

Special provision: 163, 367, 650

IMDG:

EMS: F-E, <u>S-E</u>

Passengers:

Limited Quantities: 5

IATA: Cargo:

Maximum

Packaging instructions:

quantity: 220

366

Maximum quantity: 60 L

Packaging instructions:

355

Special provision:

A3, A72, A192

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

NANOPHOS S.A. Revision nr. 2 Dated 26/05/2023 Printed on 26/05/2023 Page n. 15/18 Replaced revision:1 (Dated: 14/07/2021)

Seveso Category - Directive 2012/18/EU: P5c-E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

<u>Product</u>

Point 3 - 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

VOC (Directive 2004/42/EC) :

Minimal build woodstains.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

HDO Heavy Duty Deck Oil

evision nr. 2

Dated 26/05/2023

Printed on 26/05/2023

111100 011 20/00/202

Page n. 16/18

Replaced revision:1 (Dated: 14/07/2021)

Flam. Liq. 3 Flammable liquid, category 3

Carc. 2 Carcinogenicity, category 2

Repr. 2 Reproductive toxicity, category 2

Acute Tox. 2 Acute toxicity, category 2
Acute Tox. 3 Acute toxicity, category 3
Acute Tox. 4 Acute toxicity, category 4

STOT RE 1 Specific target organ toxicity - repeated exposure, category 1

Asp. Tox. 1 Aspiration hazard, category 1
Skin Corr. 1B Skin corrosion, category 1B
Eye Dam. 1 Serious eye damage, category 1
Eye Irrit. 2 Eye irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Skin Sens. 1 Skin sensitization, category 1
Skin Sens. 1A Skin sensitization, category 1A

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1

Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H226 Flammable liquid and vapour.H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H330 Fatal if inhaled.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.

H372 Causes damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

EGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)

HDO Heavy Duty Deck Oil

Revision nr. 2

Dated 26/05/2023

Printed on 26/05/2023

Page n. 17/18

Replaced revision:1 (Dated: 14/07/2021)

- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- **FCHA** website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety

NANOPHOS S.A.	Revision nr. 2
	Dated 26/05/2023
HDO Heavy Duty Deck Oil	Printed on 26/05/2023
	Page n. 18/18
	Replaced revision:1 (Dated: 14/07/2021)
laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products. CALCULATION METHODS FOR CLASSIFICATION Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, chemical-physical properties are reported in section 9. Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless of Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless of the control of the co	etermined otherwise in Section 11.
Changes to previous review: The following sections were modified: 01 / 02 / 03 / 04 / 08 / 09 / 10 / 11 / 12 / 14 / 15 / 16.	