

695-002

8940176599

Air Oil

Atlas Copco Power Technique, Power Tools Distribution n.v.

Chemwatch: 5480-52

Version No. 3.1

Safety Data Sheet (Conforms to Annex II of REACH (1907/2006) - Regulation 2020/878)

Issue Date: 07/09/2021 Print Date: 06/01/2022

L.REACH.BEL.EN

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

1.1. Product Identifier

Product name Air Oil
Synonyms Not Av

Not Available
Not Applicable

Other means of identification

Chemical formula

Not Available

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

Relevant identified uses

Lubricant.

Uses advised against Not Applicable

1.3. Details of the supplier of the safety data sheet

Registered company name	Atlas Copco Power Technique ,
Address	Industrielaan 40 Hoeselt 3730 Belg
Telephone	+32 3 870 2111
Fax	Not Available
Website	www.atlascopco.com
Email	info.lubricants.pts@atlascopco.com

1.4. Emergency telephone number

Association / Organisation	С
Emergency telephone	
numbers	1

CHEMWATCH EMERGENCY RESPONSE

+32 2 700 63 06

Other emergency telephone numbers

+32 800 81 450

Once connected and if the message is not in your prefered language then please dial 01

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008 [CLP] and amendments [1]

Not Applicable

2.2. Label elements

Hazard pictogram(s)

Not Applicable

Signal word Not Applicable

Hazard statement(s)

Not Applicable

Supplementary statement(s)

EUH210

Safety data sheet available on request.

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

2.3. Other hazards

REACh - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

SECTION 3 Composition / information on ingredients

3.1.Substances

See 'Composition on ingredients' in Section 3.2

3.2.Mixtures

1.CAS No 2.EC No 3.Index No 4.REACH No	%[welght]	Name	Classification according t 1272/2008 [CLP] and ame	ないはてい かんし かいっかい こう	Nanoform Particle Characteristics
1.64742-54-7. 2.265-157-1 3.649-467-00-8 4.Not Available	85-90	paraffinic distillate, heavy, hydrotreated (severe)	Not Applicable		Not Available
1.64741-88-4. 2.265-090-8 3.649-454-00-7 4.Not Available	5-10	paraffinic distillate, heavy, solvent-refined (severe)	Not Applicable		Not Available
Not Available	5-10	Ingredients determined not to be hazardous	Not Applicable		Not Available
I acand	1 Classified	hy Chamwatch: 2 Classification d	rawn from Regulation (FLI) No	1272/2008 - Anney W.	3 Classification drawn from

 Classified by Chemwatch;
 Classification drawn from Regulation (EU) No 1272/2008 - Annex VI;
 Classifica C&L: * EU IOELVs available; [e] Substance identified as having endocrine disrupting properties

SECTION 4 First aid measures

4.1. Description of first aid measures

Inhalation

Wash out immediately with fresh running water. • Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally **Eye Contact** lifting the upper and lower lids.

Seek medical attention without delay; if pain persists or recurs seek medical attention,

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

If skin or hair contact occurs: Skin Contact

- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

If this product comes in contact with the eyes:

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket

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mask as trained. Perform CPR if necessary.

Transport to hospital, or doctor.

For advice, contact a Poisons Information Centre or a doctor at once.

Urgent hospital treatment is likely to be needed.

If swallowed do NOT induce vomiting.

If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

Observe the patient carefully.

Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.

Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

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

- Heavy and persistent skin contamination over many years may lead to dysplastic changes. Pre-existing skin disorders may be aggravated by exposure to this
 product.
- In general, emesis induction is unnecessary with high viscosity, low volatility products, i.e. most oils and greases.

Transport to hospital or doctor without delay.

High pressure accidental injection through the skin should be assessed for possible incision, irrigation and/or debridement.

NOTE: Injuries may not seem serious at first, but within a few hours tissue may become swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Product may be forced through considerable distances along tissue planes.

SECTION 5 Firefighting measures

5.1. Extinguishing media

- Foam.
- Dry chemical powder.
- Carbon dioxide.
- Water spray or fog Large fires only.

5.2. Special hazards arising from the substrate or mixture

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Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may
result

5.3. Advice for firefighters

Fire Fighting

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear full body protective clothing with breathing apparatus.
- Prevent, by any means available, spillage from entering drains or water course.
- Use water delivered as a fine spray to control fire and cool adjacent area.
- Combustible.
- Slight fire hazard when exposed to heat or flame.
- Heating may cause expansion or decomposition leading to violent rupture of containers.
- On combustion, may emit toxic fumes of carbon monoxide (CO).

Combustion products include:

Fire/Explosion Hazard carbon dioxide (CO2)

sulfur oxides (SOx)

other pyrolysis products typical of burning organic material.

May emit poisonous fumes.

May emit corrosive fumes.

CARE: Water in contact with hot liquid may cause foaming and a steam explosion with wide scattering of hot oil and possible severe burns. Foaming may cause overflow of containers and may result in possible fire.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8

6.2. Environmental precautions

See section 12

6.3. Methods and material for containment and cleaning up

Minor Spills

Slippery when spilt.

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Remove all ignition sources.
 Clean up all spills immediately.
 Avoid breathing vapours and contact with skin and eyes.
 Control personal contact with the substance, by using protective equipment.

Slippery when spilt.
Moderate hazard.

Major Spills

Clear area of personnel and move upwind.
 Alert Fire Brigade and tell them location and nature of hazard.

Wear breathing apparatus plus protective gloves.

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Safe handling	Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps.		, 200 cm
Fire and explosion protection	See section 5		
Other Information	Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area.		

7.2. Conditions for safe storage, including any incompatibilities

	▶ Metal can or drum					
Suitable container	 Packaging as recommended by manufacturer. 					
	 Check all containers are clearly labelled and free from leaks. 					
	· CARE: Water in contact with heated material may cause foaming or a ste	am explosion with possible severe burns from				
	wide scattering of hot material. Resultant overflow of containers may result in fire. Oil leaks in a pressurized circuit may result in a fine flammable spray (the lower flammability limit for oil mist is reached for					
Storage incompatibility						
Storage incompatibility	a concentration of about 45 g/m3					
	 Autoignition temperatures may be significantly lower under particular con- 	ditions (slow oxidation on finely divided materials				
	Avoid reaction with oxidising agents					

7.3. Specific end use(s)

See section 1.2

SECTION 8 Exposure controls / personal protection

8.1. Control parameters

Ingredient	DNELS Exposure Pattern Worker	PNECs Compartment
paraffinic distillate, heavy, hydrotreated (severe)	Dermal 0.97 mg/kg bw/day (Systemic, Chronic) Inhalation 2.73 mg/m³ (Systemic, Chronic) Inhalation 5.58 mg/m³ (Local, Chronic) Oral 0.74 mg/kg bw/day (Systemic, Chronic) * Inhalation 1.19 mg/m³ (Local, Chronic) *	9.33 mg/kg food (Oral)
paraffinic distillate, heavy, solvent-refined (severe)	Dermal 0.97 mg/kg bw/day (Systemic, Chronic) Inhalation 2.73 mg/m³ (Systemic, Chronic) Inhalation 5.58 mg/m³ (Local, Chronic) Oral 0.74 mg/kg bw/day (Systemic, Chronic) * Inhalation 1.19 mg/m³ (Local, Chronic) *	9.33 mg/kg food (Oral)

^{*} Values for General Population

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Belgium Occupational Exposure Limits (French)	paraffinic distillate, heavy, hydrotreated (severe)	Huiles minérales (brouillards)	5 mg/m3	10 mg/m3	Not Available	Not Available
Belgium Occupational Exposure Limits (French)	paraffinic distillate, heavy, solvent-refined (severe)	Huiles minérales (brouillards)	5 mg/m3	10 mg/m3	Not Available	Not Available
Emergency Limits		d reference mensenger all concerning a property of the second and yet and property of the second and the second	manufacture and a second secon	no. And children waters to the a military was a military with the	Common variable common pour de desidades et de la comm	efficient to an interest common to the contract of the contrac

Ingredient	TEEL-1	TEEL-2	reel-3
paraffinic distillate, heavy, hydrotreated (severe)	140 mg/m3	1,500 mg/m3	8,900 mg/m3
paraffinic distillate, heavy, solvent-refined (severe)	140 mg/m3	1,500 mg/m3	8,900 mg/m3

Ingredient	Original IDLH	Revised IDLH
paraffinic distillate, heavy, hydrotreated (severe)	2,500 mg/m3	Not Available
paraffinic distillate, heavy, solvent-refined (severe)	2,500 mg/m3	Not Available

MATERIAL DATA

Toxicity and Irritation data for petroleum-based mineral oils are related to chemical components and vary as does the composition and source of the original crude. A small but definite risk of occupational skin cancer occurs in workers exposed to persistent skin contamination by oils over a period of years. This risk has been attributed to the presence of certain polycyclic aromatic hydrocarbons (PAH) (typified by benz[a]pyrene).

Petroleum oils which are solvent refined/extracted or severely hydrotreated, contain very low concentrations of both.

NOTE L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. European Union (EU) List of harmonised classification and labelling hazardous substances, Table 3.1, Annex VI, Regulation (EC) No 1272/2008 (CLP) - up to the latest ATP

8.2. Exposure controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. 8.2.1. Appropriate The basic types of engineering controls are: engineering controls Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. 8.2.2. Personal protection Safety glasses with side shields. Chemical goggles. Eye and face protection Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. Skin protection The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be Hands/feet protection observed when making a final choice. Personal hygiene is a key element of effective hand care. Wear chemical protective gloves, e.g. PVC.

Respiratory protection

Body protection

Other protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Wear safety footwear or safety gumboots, e.g. Rubber

See Other protection below

Overalls.P.V.C apron.

Barrier cream.Skin cleansing cream.

- · Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content.
- The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask

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is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.

• Cartridge performance is affected by humidity. Cartridges should be changed after 2 hr of continuous use unless it is determined that the humidity is less than 75%, in which case, cartridges can be used for 4 hr. Used cartridges should be discarded daily, regardless of the length of time used

8.2.3. Environmental exposure controls

See section 12

SECTION 9 Physical and chemical properties

Appearance	Amber liquid with a characteristic	odour; mixes with water	San parameter a manufactura de la comunidad de
Physical state	Liquid	Relative density (Water = 1)	0.867
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-Ignition temperature (°C)	>320
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	-27	Viscosity (cSt)	100 @ 40C
Initial boiling point and boiling range (°C)	>280	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	>230 (COC)	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	10	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	1	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Negligible	Gas group	Not Available
Solubility in water	Immiscible	pH as a solution (%)	Not Available
Vapour density (Air = 1)	>1	Voc g/L	Not Available
Nanoform Solubility	Not Available	Nanoform Particle Characteristics	Not Available
Particle Size	Not Available		

9.2. Other information

Not Available

SECTION 10 Stability and reactivity

10.1.Reactivity	See section 7.2
10.2, Chemical stability	 Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
10.3. Possibility of hazardous reactions	See section 7.2
10.4. Conditions to avoid	See section 7.2
10.5. Incompatible materials	See section 7.2
10.6. Hazardous decomposition products	See section 5.3

SECTION 11 Toxicological information

11.1. Information on toxicological effects

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Inhalation hazard is increased at higher temperatures.

High inhaled concentrations of mixed hydrocarbons may produce narcosis characterised by nausea, vomiting and

Inhaled

High inhaled concentrations of mixed hydrocarbons may produce narcosis characterised by nausea, vomiting and lightheadedness. Inhalation of aerosols may produce severe pulmonary oedema, pneumonitis and pulmonary haemorrhage. Inhalation of petroleum hydrocarbons consisting substantially of low molecular weight species (typically C2-C12) may produce irritation of mucous membranes, incoordination, giddiness, nausea, vertigo, confusion, headache, appetite loss, drowsiness, tremors and anaesthetic stupor. Massive exposures may produce central nervous system depression with sudden collapse and deep coma; fatalities have been recorded.

Central nervous system (CNS) depression may include nonspecific discomfort, symptoms of giddiness, headache, dizziness, nausea, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal.

Inhalation of oil droplets/ aerosols may cause discomfort and may produce chemical pneumonitis.

Ingestion

Ingestion of petroleum hydrocarbons may produce irritation of the pharynx, oesophagus, stomach and small intestine with oedema and mucosal ulceration resulting; symptoms include a burning sensation in the mouth and throat. Large amounts may produce narcosis with nausea and vomiting, weakness or dizziness, slow and shallow respiration, swelling of the abdomen, unconsciousness and convulsions. Myocardial injury may produce arrhythmias, ventricular fibrillation and electrocardiographic changes. Central nervous system depression may also occur.

Skin Contact

The liquid may be miscible with fats or oils and may degrease the skin, producing a skin reaction described as non-allergic contact dermatitis. The material is unlikely to produce an irritant dermatitis as described in EC Directives.

Open cuts, abraded or irritated skin should not be exposed to this material

The material may accentuate any pre-existing dermatitis condition

Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Eye

Petroleum hydrocarbons may produce pain after direct contact with the eyes. Slight, but transient disturbances of the corneal epithelium may also result. The aromatic fraction may produce irritation and lachrymation.

Principal route of exposure is by skin contact; lesser exposures include Inhalation of fumes from hot oils, oil mists or droplets. Prolonged contact with mineral oils carries with it the risk of skin conditions such as oil folliculitis, eczematous dermatitis, pigmentation of the face (melanosis) and warts on the sole of the foot (plantar warts). With highly refined mineral oils no appreciable systemic effects appear to result through skin absorption.

Chronic

Exposure to oil mists frequently elicits respiratory conditions, such as asthma; the provoking agent is probably an additive. Repeated or prolonged exposure to mixed hydrocarbons may produce narcosis with dizziness, weakness, irritability, concentration and/or memory loss, tremor in the fingers and tongue, vertigo, olfactory disorders, constriction of visual field, paraesthesias of the extremities, weight loss and anaemia and degenerative changes in the liver and kidney. Chronic exposure by petroleum workers, to the lighter hydrocarbons, has been associated with visual disturbances, damage to the central nervous system, peripheral neuropathies (including numbness and paraesthesias), psychological and neurophysiological deficits, bone marrow toxicities (including hypoplasia possibly due to benzene) and hepatic and renal involvement. Chronic dermal exposure to petroleum hydrocarbons may result in defatting which produces localised dermatoses. Surface cracking and erosion may also increase susceptibility to infection by microorganisms.

Repeated application of mildly hydrotreated oils (principally paraffinic), to mouse skin, induced skin tumours; no tumours were induced with severely hydrotreated oils.

NOTE L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346.

European Union (EU) List of harmonised classification and labelling hazardous substances, Table 3.1, Annex VI, Regulation (EC) No 1272/2008 (CLP) - up to the latest ATP

	TOXICITY				
Air Oil	Not Available	Not Available			
	TOXICITY	IRRITATION			
paraffinic distillate, heavy,	Dermal (rabbit) LD50: >2000 mg/kg ^[2]	Eye: no adverse effect observed (not irritating) ^[1]			
hydrotreated (severe)	Inhalation(Rat) LC50; 2.18 mg/l4h ^[2]	Skin: no adverse effect observed (not irritating) ^[1]			
	Oral (Rat) LD50; >5000 mg/kg ^[2]				
	TOXICITY	IRRITATION			
paraffinic distillate, heavy,	Dermal (rabbit) LD50: >2000 mg/kg ^[2]	Eye: no adverse effect observed (not irritating) ^[1]			
solvent-refined (severe)	Inhalation(Rat) LC50; 2.18 mg/l4h ^[2]	Skin: no adverse effect observed (not irritating) ^[1]			
	Oral (Rat) LD50; >5000 mg/kg ^[2]				
Legend:	Value obtained from Europe ECHA Registered Substances - Unless otherwise specified data extracted from RTECS - Regis	·			

PARAFFINIC DISTILLATE,

HEAVY, SOLVENT-

REFINED (SEVERE)

The materials included in the Lubricating Base Oils category are related from both process and physical-chemical perspectives; The potential toxicity of a specific distillate base oil is inversely related to the severity or extent of processing the oil has undergone, since:

- The adverse effects of these materials are associated with undesirable components, and
- The levels of the undesirable components are inversely related to the degree of processing;
- Distillate base oils receiving the same degree or extent of processing will have similar toxicities;
- The potential toxicity of residual base oils is independent of the degree of processing the oil receives.
- The reproductive and developmental toxicity of the distillate base oils is inversely related to the degree of processing. The degree of refining influences the carcinogenic potential of the oils. Whereas mild acid / earth refining processes are inadequate to substantially reduce the carcinogenic potential of lubricant base oils, hydrotreatment and / or solvent extraction methods can yield oils with no carcinogenic potential.

PARAFFINIC DISTILLATE, HEAVY, HYDROTREATED (SEVERE) & PARAFFINIC DISTILLATE, HEAVY, SOLVENT-REFINED (SEVERE)

Unrefined and mildly refined distillate base oils contain the highest levels of undesirable components, have the largest variation of hydrocarbon molecules and have shown the highest potential carcinogenic and mutagenic activities. Highly and severely refined distillate base oils are produced from unrefined and mildly refined oils by removing or transforming undesirable components. In comparison to unrefined and mildly refined base oils, the highly and severely refined distillate base oils have a smaller range of hydrocarbon molecules and have demonstrated very low mammalian toxicity.

Acute toxicity: Multiple studies of the acute toxicity of highly & severely refined base oils have been reported. Irrespective of the crude source or the method or extent of processing, the oral LD50s have been observed to be >5 g/kg (bw) and the dermal LD50s have ranged from >2 to >5g/kg (bw). The LC50 for inhalation toxicity ranged from 2.18 mg/l to> 4 mg/l.

When tested for skin and eye irritation, the materials have been reported as "non-irritating" to "moderately irritating"

Testing in guinea pigs for sensitization has been negative

Repeat dose toxicity: . Several studies have been conducted with these oils. The weight of evidence from all available data on highly & severely refined base oils support the presumption that a distillate base oil's toxicity is inversely related to the degree of processing it receives.

The substance is classified by IARC as Group 3:

Highly and Severely Refined Distillate Base Oils

NOT classifiable as to its carcinogenicity to humans.

Evidence of carcinogenicity may be inadequate or limited in animal testing.

Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	×	Reproductivity	×
Serious Eye Damage/Irritation	×	STOT - Single Exposure	×
Respiratory or Skin	×	STOT - Repeated Exposure	×
Mutagenicity	×	Aspiration Hazard	×

Legend:

- 🗶 Data either not available or does not fill the criteria for classification

11.2.1. Endocrine Disruption Properties

Not Available

SECTION 12 Ecological information

12.1. Toxicity

	Endpoint	Test Duration (hr)	Species	Value	Source
Air Oil	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
	NOEC(ECx)	504h	Crustacea	>1mg/l	1
paraffinic distillate, heavy, hydrotreated (severe)	ErC50	72h	Algae or other aquatic plants	>1000mg/l	1
	EC50	48h	Crustacea	>1000mg/l	1
	EC50	96h	Algae or other aquatic plants	>1000mg/l	1
	Endpoint	Test Duration (hr)	Species	Value	Source
	NOEC(ECx)	504h	Crustacea	>1mg/l	1
paraffinic distillate, heavy, solvent-refined (severe)	ErC50	72h	Algae or other aquatic plants	>1000mg/i	1
	EC50	48h	Crustacea	>1000mg/l	1
	EC50	96h	Algae or other aquatic plants	>1000mg/l	1

Legend:

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity

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3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

DO NOT discharge into sewer or waterways.

12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Data available for all ingredients	No Data available for all ingredients

12.3. Bioaccumulative potential

Ingredient	Bioaccumulation	
	No Data available for all ingredients	The state of the s

12.4. Mobility in soil

Ingredient	Mobility
	No Data available for all ingredients

12.5. Results of PBT and vPvB assessment

	\mathbf{p}^{\prime}	В	+
Relevant available data	Not Available	Not Available	Not Available
PBT	X	×	×
vPvB	×	×	×
PBT Criteria fulfilled?			No
vPvB			No

12.6. Endocrine Disruption Properties

Not Available

12.7. Other adverse effects

One or more ingredients within this SDS has the potential of causing ozone depletion and/or photochemical ozone creation.

SECTION 13 Disposal considerations

13.1. Waste treatment methods

	Recycle wherever possible or consult manufacturer for recycling options.					
Product / Packaging	Consult State Land Waste Authority for disposal.					
disposal	Bury or incinerate residue at an approved site.					
	Recycle containers if possible, or dispose of in an authorised landfill.					
Waste treatment options	Not Available					
Sewage disposal options	Not Available					

SECTION 14 Transport information

Labels Required

7 1 .		- 1 Z	2.50
Mari	ne P	ollutan	t NC

Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applica	ble		result and the Household and construct about the depole from	and the second of the second o	menterio della comina anno vi va paccianza da da e anno	Print in the other is now the absence could introduce the country and a confinence
14.2. UN proper shipping name	Not Applica	ble	Miles & School (Advisor School) (School) Albeide Mercelle Anne a collection	en erreit il kredien er franskrivateringen gesten er de senere	The Control of the Co	en de gener de 11 despe de la nome autre despendance de side de la companya del companya de la companya de la companya del companya de la com	The state of the s
14.3. Transport hazard	Class	Not Applicable	THE RESERVE OF THE PERSON OF THE REPORT OF THE PERSON OF T	AND A STATE OF THE	the meaning and the second		
class(es)	Subrisk	Not Applicable					

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14.4. Packing group	Not Applicable					
14.5. Environmental hazard	Not Applicable					
	Hazard identification (Kemler)	Not Applicable				
	Classification code	Not Applicable				
14.6. Special precautions	Hazard Label	Not Applicable				
for user	Special provisions	Not Applicable				
	Limited quantity	Not Applicable				
	Tunnel Restriction Code	Not Applicable				

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	gyren tilkunum gan germ i ger fempularmaghrefaldr gand fillabhulu i sepungungan gann ya dangungangun		
14.2. UN proper shipping name	Not Applicable			
	ICAO/IATA Class N	ot Applicable		
14.3. Transport hazard class(es)	ICAO / IATA Subrisk N	ot Applicable	*	
Glass(es)	ERG Code N	lot Applicable		
14.4. Packing group	Not Applicable	AND	·	
14.5. Environmental hazard	Not Applicable			AND BY STANDARD SET A A SET A VALUE OF THE BY SET AND A SET
	Special provisions		Not Applicable	
	Cargo Only Packing Instructions		Not Applicable	
	Cargo Only Maximum Qty	// Pack	Not Applicable	
14.6. Special precautions for user	Passenger and Cargo Packing Instructions		Not Applicable	
	Passenger and Cargo Maximum Qty / Pack		Not Applicable	
	Passenger and Cargo Limited Quantity Packing Instructions		Not Applicable	
	Passenger and Cargo Limited Maximum Qty / Pack		Not Applicable	

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	Bernel a discussi krahi dassadelira ilik - Reis alay musika kadisila - desalah zales B	ad them the return to the themselves	entranger consists of per-	AUTHORA SHARE AND	того очен живочно уследин	HERMANI - MARKET PROBLEM - AND THE		net page inge van Nejton oppstationen van je kries va	er talle general had merked eight der berteit
14.2. UN proper shipping name	Not Applicable	,	:							and the second s
14.3. Transport hazard	IMDG Class N	lot Applicable								
class(es)	IMDG Subrisk N	ot Applicable	:							
14.4. Packing group	Not Applicable	narradianantii Madakanani, jirrii koolii ili ka jooda ee dhaka								Name of the Control o
14.5. Environmental hazard	Not Applicable									
	EMS Number	Not Applicable			Triumphoto publica metrodos	THE PERSON NAMED IN COLUMN TWO		a deletante est ti e i arrive. Ha	TO LINE I THE SECTION OF T	Constitution and approximation of the constitution of the constitu
14.6. Special precautions for user	Special provisions	Not Applicable								
	Limited Quantities	Not Applicable	i.,							

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	TO THE ADMINISTRATION OF THE PROPERTY OF THE P
14.2. UN proper shipping name	Not Applicable	
14.3. Transport hazard class(es)	Not Applicable Not Applicable	
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	

超级性的 化对抗电阻 医双环 电电子电阻 對		
	Classification code	Not Applicable
	Special provisions	Not Applicable
14.6. Special precautions for user	Limited quantity	Not Applicable
	Equipment required	Not Applicable
	Fire cones number	Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

14.8. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group		
paraffinic distillate, heavy, hydrotreated (severe)	Not Available		
paraffinic distillate, heavy, solvent-refined (severe)	Not Available		and the second s

14.9. Transport in bulk in accordance with the ICG Code

Product name	Ship Type		
paraffinic distillate, heavy, hydrotreated (severe)	Not Available		
paraffinic distillate, heavy, solvent-refined (severe)	Not Available		

SECTION 15 Regulatory information

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

paraffinic distillate, heavy, hydrotreated (severe) is found on the following regulatory lists

Belgium Occupational Exposure Limits (French)

Chemical Footprint Project - Chemicals of High Concern List

EU REACH Regulation (EC) No 1907/2006 - Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

EU REACH Regulation (EC) No 1907/2006 - Annex XVII (Appendix 2) Carcinogens: Category 1 B

Europe EC Inventory

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

paraffinic distillate, heavy, solvent-refined (severe) is found on the following regulatory lists

Belgium Occupational Exposure Limits (French)

Chemical Footprint Project - Chemicals of High Concern List

EU REACH Regulation (EC) No 1907/2006 - Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

EU REACH Regulation (EC) No 1907/2006 - Annex XVII (Appendix 2) Carcinogens: Category 1 B

Europe EC Inventory

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

European Union (EU) Regulation (EC) No 1272/2008 on Classification Labelling and Packaging of Substances and Mixtures - Annex VI International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable -: Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2020/878; Regulation (EC) No 1272/2008 as updated through ATPs.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

National Inventory Status

National Inventory	Status					
Australia - AIIC / Australia Non-Industrial Use	Yes		-th-file (burner) (blade strategischen in den von brondlade eins einem der de aben in dasse	attributeria in sub-disease, utambina diada balan kanar kuriba diseasesan sun an birekteri. Auden Jacob di	Combredien et af (1) (1) in Author Million, Et a Alfredelien et la Combredien and mouse di play an Company de Same	
Canada - DSL	Yes	ti And Filiphia abadi sahah basas samanahan persami dan di Asamah senerapa P	en crafted advisor in distante composition as a composition of the second of the secon	errorina men hann herrorina artifanoksindaksindaksindaksindaksindaksin artifanis Athologia 9 shir di Appan	ndroodddiga turk oedd oedd faell dhomosawyth diddirigiol. Matholphik d'o da'r ydg beg ynfysyddyddyg garrydnogd cynndly y	

Canada - NDSL	No (paraffinic distill	ate, heavy, hydrotr	eated (severe); paraffinic d	istillate, heavy, solvent-refin	ned (severe))	
Canada - NDSL China - IECSC	No (paraffinic distill Yes	ate, heavy, hydrotr	eated (severe); paraffinic d	istillate, heavy, solvent-refin	ned (severe))	

Japan - ENCS	Yes	
Korea - KECI	Yes	
New Zealand - NZIoC	Yes	
Philippines - PICCS	Yes	
USA - TSCA	Yes	
Taiwan - TCSI	Yes	
Mexico - INSQ	Yes	
Vietnam - NCI	Yes	mark it or in progen hind
Russia - FBEPH	Yes	and the second section of the section of t
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require)

SECTION 16 Other information

4 (4.1)			
Revision Date 07/09/2021	*: 1		
Initial Date 06/09/2021		em ar kan mengang saman memerina mengenti an ar sebandah dan berbadah melakan dan melakan perbadah perbadan sa	V destaurieren augen, den dir und den seine den seine A.E. i resservieren elde, in v. de 2 deutstehendelien elder VIII v. de 2 deutstehendelien elder verweigen elder verw

Full text Risk and Hazard codes

SDS Version Summary

Version	Date of Update	Sections Updated
2.1	06/09/2021	Acute Health (eye), Acute Health (inhaled), Acute Health (skin), Acute Health (swallowed), Advice to Doctor, Appearance, Chronic Health, Classification, Disposal, Engineering Control, Environmental, Exposure Standard, Fire Fighter (extinguishing media), Fire Fighter (fire/explosion hazard), Fire Fighter (fire fighting), Fire Fighter (fire incompatibility), First Aid (eye), First Aid (inhaled), First Aid (skin), First Aid (swallowed), Handling Procedure, Ingredients, Instability Condition, Personal Protection (other), Personal Protection (Respirator), Personal Protection (eye), Personal Protection (hands/feet), Physical Properties, Spills (major), Spills (minor), Storage (storage incompatibility), Storage (storage requirement), Storage (suitable container), Toxicity and Irritation (Other), Transport, Use
3.1	07/09/2021	Physical Properties

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

ES: Exposure Standard

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index

AllC: Australian Inventory of Industrial Chemicals

DSL: Domestic Substances List

NDSL: Non-Domestic Substances List
- IECSC: Inventory of Existing Chemical Substance in China

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

NLP: No-Longer Polymers

ENCS: Existing and New Chemical Substances Inventory

KECI: Korea Existing Chemicals Inventory NZIoC: New Zealand Inventory of Chemicals

PICCS: Philippine Inventory of Chemicals and Chemical Substances

TSCA: Toxic Substances Control Act
TCSI: Taiwan Chemical Substance Inventory

INSQ: Inventario Nacional de Sustancias Químicas

NCI: National Chemical Inventory

FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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