

Article Print da	ate:	29425 05.04.2022	ProVital Oil Revision date: 24.03.2022	EN EN	OATING SYSTEMS
Versior		62	Issue date: 24.03.2022	Page 1 / 9	
			ne substance/mixture and	d of the company/undertaking	
	product id			-	
		(manufacturer/sup e/designation	ProVi	o ital Oil enmatt	
1.2.	Relevant id	dentified uses of	the substance or mixture a	ા d uses advised against	
	Relevant in Coating / V	dentified uses: arnish			
1.3.	Details of t	the supplier of th	e safety data sheet		
	manufactu Saicos Colo Carl-Zeiss-	our GmbH	Tolon	hono: +40 (0) 2592 2027 0	
	D-48336 Sa		Telef	hone: +49 (0) 2583 3037-0 ax: +49 (0) 2583 3037-10	
	E-mail (con	npetent person)	info@)saicos.de	
		y telephone num erlin: +49 30 3068	ber 36 700 Beratung in Deutsch u	nd Englisch	
SECT	TION 2: Ha	zards identifica	ation		
	Label elem Labelling a Hazard pic	according to Reg	ulation (EC) No. 1272/2008 [CLP]	
	Hazard sta		plicable		
	Precautior	ary statements	plicable		
	Hazard co	mponents for lab not ap	elling plicable		
	Supplemer EUH210	n tal hazard infor Safety	nation data sheet available on reque	est.	
2.3.	Other haza	ards			
	No informa	tion available.			
SECT	TION 3: Co	omposition / inf	ormation on ingredients		
3.2.	Mixtures				
	Descriptio	n Oil			
	EC No.	ion according to REAC	Regulation (EC) No 1272/20 H No.	08 [CLP]	
	CAS No. Index No.		nation fication // Remark		weight-%
	265-150-3 64742-48-9	01-21	19457273-39 ha (petroleum), hydrotreated I	neavy	2,5 - 5
	649-327-00 265-150-3)-6 Asp. T	ox. 1 H304 19457273-39	,	_,
	200-100-3				



t date:	29425 05.04.2022 62	ProVital Oil Revision date: 24.03.2022 Issue date: 24.03.2022	EN Page 2 / 9	TING STSTEM.
919-857-5 64742-48-9		9463258-33 arbons, C9-C11, n-alkanes, isoalkane	s cyclics $< 2\%$ aromatics	1 - 2.5
649-327-00-		iq. 3 H226 / Asp. Tox. 1 H304 / ST		1 - 2,5
927-632-8	01-211	9457736-27		
64742-47-8	aromati	arbon C14 - C18 , n - alkanes , isoal cs x. 1 H304	kanes , cyclic compounds < 2 $\%$	5 1-2,5
920-107-4	01-211	9453414-42		
64742-47-8	,	arbons, C12-C15, n-alkanes, isoalkan x. 1 H304	es, cyclics, < 2% aromatics	1 - 2,5

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it



Article No.:	29425	ProVital Oil	
Print date:	05.04.2022	Revision date: 24.03.2022	EN
Version:	62	Issue date: 24.03.2022	Page 3 / 9

for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

Naphtha (petroleum), hydrotreated heavy Index No. 649-327-00-6 / EC No. 265-150-3 / CAS No. 64742-48-9 WEL, TWA: 800 mg/m3 Remark: (> or = C7, Cycloalkanes) WEL, TWA: 1200 mg/m3 Remark: (> or = C7, Normal and branched chain alkanes) WEL, TWA: 1200 mg/m3 Remark: (> or = C7, Normal and branched chain alkanes) WEL, TWA: 1200 mg/m3 Remark: (> or = C7, Normal and branched chain alkanes) Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics Index No. 649-327-00-6 / EC No. 265-150-3 / CAS No. 64742-48-9 WEL, TWA: 800 mg/m3 Remark: (> or = C7, Cycloalkanes) WEL, TWA: 1200 mg/m3 Remark: (> or = C7, Normal and branched chain alkanes) WEL, TWA: 1200 mg/m3 Remark: (> or = C7, Normal and branched chain alkanes)



Article No.:	29425	ProVital Oil
Print date:	05.04.2022	Revision date: 24.03.2022
Version:	62	Issue date: 24.03.2022

EN Page 4 / 9

WEL, TWA: 1200 mg/m3

Remark: (> or = C7, Normal and branched chain alkanes)

Additional information

TWA : Long-term occupational exposure limit value STEL : short-term occupational exposure limit value Ceiling : peak limitation

DNEL:

Naphtha (petroleum), hydrotreated heavy

Index No. 649-327-00-6 / EC No. 265-150-3 / CAS No. 64742-48-9

DNEL acute inhalative (local), Workers: 1100 mg/m³

DNEL long-term inhalative (local), Workers: 840 mg/m³

DNEL long-term inhalative (systemic), Workers: 1300 mg/m³

DNEL long-term inhalative (systemic), Consumer: 1200 mg/m³

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Index No. 649-327-00-6 / EC No. 919-857-5 / CAS No. 64742-48-9 DNEL long-term oral (repeated), Consumer: 125 mg/kg bw/day DNEL long-term dermal (systemic), Consumer: 125 mg/kg bw/day DNEL long-term inhalative (systemic), Consumer: 185 mg/m³

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: Butyl caoutchouc (butyl rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Physical state: Colour:	Liquid colourless
Odour:	characteristic
Odour threshold:	not applicable
pH at 20 °C:	not applicable
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	not applicable
Flash point:	63 °C Method: DIN 53213-1
Evaporation rate:	not applicable



Article N Print dat Version:	ite:	29425 05.04.2022 62	ProVital Oil Revision date: 2 Issue date: 24.0		COATING SYSTEMS EN Page 5 / 9
	flammabilit Burning ti	•		not applicable	
		•	r explosive limits:		
	•	blosion limit: blosion limit:		0,6 Vol-% 6 Vol-% Source: Hydrocarbons, aromatics	C10-C13, n-alkanes, isoalkanes, cyclics, < 2%
v	Vapour pre	ssure at 20 °C:		7,4585 mbar Method: calculated.	
v	Vapour den	isity:		not applicable	
R	Relative de Density at	nsity:		0,98 g/cm³	
١		bility at 20 °C:		insoluble	
		efficient: n-octa	nol/water:	see section 12	
4	Auto-ignitic	on temperature:		> 200 °C Source: Hydrocarbons, aromatics	C10-C13, n-alkanes, isoalkanes, cyclics, < 2%
D	Decomposi	tion temperatur	e:	not applicable	
v	Viscosity at	t 40 °C:		132,65 mm²/s	
E	Explosive p	properties:		not applicable	
C	Oxidising p	oroperties:		not applicable	
9.2. C	Other infor	mation			
-	Solid conte			86 weight-%	
	solvent cor Organic s Water:			13 weight-% 0 weight-%	
SECTI	ION 10: St	ability and rea	ctivity		
	Reactivity No informati	ion available.			
S	Chemical s Stable wher section 7.		commended regulat	ons for storage and hand	lling. Further information on correct storage: refer to
		of hazardous re		strong oxidizing agents to	avoid exothermic reactions.
	Conditions Hazardous (products may form	with exposure to high terr	nperatures.
	Incompatib not applicab	le materials le			
F	Hazardous	decomposition decomposition by ogen oxides.		with exposure to high ter	mperatures, e.g.: carbon dioxide, carbon monoxide,
SECTI	ION 11: To	oxicological in	formation		
C	Classificatio	n according to R	egulation (EC) No 1	272/2008 [CLP]	
		on toxicologica	al effects		
4	Acute toxic	ity			
Ν	Naphtha (pe	etroleum), hvdrotr	eated heavy		

Naphtha (petroleum), hydrotreated heavy oral, LD50, Rat: > 5000 mg/kg dermal, LD50, Rat: > 2000 mg/kg

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics oral, LD50, Rat: > 6000 mg/kg



Article No.: Print date: Version:	29425 05.04.2022 62	ProVital Oil Revision date: 24.03.2022 Issue date: 24.03.2022	EN Page 6 / 9
inhalative	D50, Rabbit: > 5000 (Gases), LC50, Rat (vapours), LC50, Ra	: 15000 ppmV (4 h)	
oral, LD5	ons, C12-C15, n-alka 0, Rat: > 5000 mg/kg D50, Rabbit: > 5000	,	
oral, LD5	ons, C9-C11, n-alkar 0, Rat: > 5000 mg/kg D50, Rabbit: > 5000	,	
oral, LD5	Hydrocarbon C14 - C18 , n - alkanes , isoalkanes , cyclic compounds < 2 % aromatics oral, LD50, Rat: > 5000 mg/kg dermal, LD50, Rat: > 2000 mg/kg		
Skin corrosion/irritation; Serious eye damage/eye irritation			
Skin, Rab Method: non-irrita eyes, Ral	obit. (4 h) OECD 404	nes, isoalkanes, cyclics, < 2% aromatics -irritant.	
Respirato	ry or skin sensitisat	tion	
Skin, Gui	ons, C9-C11, n-alkar nea pig: ; Evaluation OECD 406	nes, isoalkanes, cyclics, < 2% aromatics not sensitising.	
		, mutagenicity and toxicity for reproduction)	
Based on a	available data, the cla	assification criteria are not met.	

STOT-single exposure; STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP] Do not allow to enter into surface water or drains.

12.1. Toxicity

Naphtha (petroleum), hydrotreated heavy Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 10 mg/L (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea): 4,5 mg/L (48 h) Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 3,1 mg/L (72 h)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics Fish toxicity, LC50, Pimephales promelas (fathead minnow): > 1000 mg/L (96 h) Daphnia toxicity, EC50, Daphnia magna: > 1000 mg/L (48 h) Algae toxicity, ErC50: > 1000 mg/L (72 h)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 1000 mg/L (96 h) Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 1000 mg/L (72 h)

Long-term Ecotoxicity



Article No.:	29425	ProVital Oil
Print date:	05.04.2022	Revision date: 24.03.2022
Version:	62	Issue date: 24.03.2022

EN Page 7 / 9

Naphtha (petroleum), hydrotreated heavy

Daphnia toxicity, NOEC, Daphnia magna (Big water flea): 2,6 mg/L (28 day(s))

12.2. Persistence and degradability

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

: 80 Degradation rate (28 day(s)); Evaluation Readily biodegradable (according to OECD criteria).

12.3. Bioaccumulative potential

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Partition coefficient: n-octanol/water: 5 - 6,7

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 08 01 11

Appropriate disposal / Package

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

JEC	SECTION 14. Transport mormation			
	No dangerous good in sense of this transport regulation.			
14.1.	UN number			
		not applicable		
14.2.	UN proper shipping name			
14 3	Transport hazard class(es)			
ч т .5.		not applicable		
14.4.	Packing group	••		
		not applicable		
14.5.	Environmental hazards			
	Land transport (ADR/RID)	not applicable		
	Marine pollutant	not applicable		
14.6.	Special precautions for user			
	Transport always in closed, upright and safe con case of an accident or leakage. Advices on safe handling: see parts 6 - 8	tainers. Make sure that persons transporting the product know what to do in		
	Further information			
	Land transport (ADR/RID)			
	tunnel restriction code	-		
	Sea transport (IMDG)			
	EmS-No.	not applicable		
14.7.	Transport in bulk according to Annex II of Ma	rpol and the IBC Code		
	not applicable			



Article No.:	29425	ProVital Oil
Print date: Version:	05.04.2022 62	Revision date: 24.03.2022 Issue date: 24.03.2022

ΕN Page 8/9

SECTION 15: Regulatory information

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

EU legislation

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value (in g/L): 100

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No.	Designation	REACH No.
CAS No.		
265-150-3	Naphtha (petroleum), hydrotreated heavy	01-2119457273-39
64742-48-9		
265-150-3	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2%	01-2119457273-39
64742-48-9	aromatics	
919-857-5	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2%	01-2119463258-33
64742-48-9	aromatics	
927-632-8	Hydrocarbon C14 - C18, n - alkanes, isoalkanes, cyclic compounds	01-2119457736-27
64742-47-8	< 2 % aromatics	
920-107-4	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2%	01-2119453414-42
64742-47-8	aromatics	

SECTION 16: Other information

Full text of classification in section 3				
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.		
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.		
STOT SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.		
Abbreviations and a	cronyms			
ADR	European Agreement concerning the Interna	ational Carriage of Dangerous Goods by Road		
OEL	Occupational Exposure Limit Value			
BLV	Biological Limit Value			
CAS	Chemical Abstracts Service			
CLP	Classification, Labelling and Packaging			
CMR	Carcinogenic, Mutagenic and Reprotoxic			
DIN	German Institute for Standardization / German industrial standard			
DNEL	Derived No-Effect Level			
EAKV	European Waste Catalogue Directive			
EC	Effective Concentration			
EC	European Community			
EN	European Standard			
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations			
IBC Code	International Code for the Construction and	Equipment of Ships carrying Dangerous Chemicals in Bulk		
ICAO-TI	International Civil Aviation Organization Te	chnical Instructions for the Safe Transport of Dangerous		
	Goods by Air			
IMDG Code	International Maritime Code for Dangerous	Goods		

ISO International Organization for Standardization

- LC Lethal Concentration
- LD Lethal Dose
- MARPOL Maritime Pollution: The International Convention for the Prevention of Pollution from Ships OECD
 - Organisation for Economic Cooperation and Development
- PBT persistent, bioaccumulative, toxic
- Predicted No Effect Concentration PNEC
- Registration, Evaluation, Authorisation and Restriction of Chemicals REACH Regulations concerning the International Carriage of Dangerous Goods by Rail RID
- UN United Nations
- VOC Volatile Organic Compounds



Article No.:	29425	ProVital Oil
Print date:	05.04.2022	Revision date: 24.03.2022
Version:	62	Issue date: 24.03.2022

EN Page 9 / 9

vPvB

very persistent and very bioaccumulative

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.