

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 1 of 13

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

1.1. Product identifier

ORALITE® Printing Modifier

Further trade names

ORALITE® Printing Modifier ES

1001650 (100 ml)

1001651 (1 l)

UFI: AYX6-JP3T-663E-AW6E

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

Use of the substance/mixture

Paints and coatings (and related auxiliaries)

For use in industrial installations only.

Uses advised against

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

Company name: ORAFOL Europe GmbH

Germany

Street: Orafolstraße 1

Place: D-16515 Oranienburg

Telephone: + 49 3301 864 0

Telefax: + 49 3301 864 100

E-mail: EHSQ@orafol.de

Contact person: EHSQ Department

Internet: www.orafol.com

1.4. Emergency telephone number:

National Poison Information Service: In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Flam. Liq. 3; H226

STOT SE 3; H335 H336

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Hydrocarbons, C9, aromatics

Signal word: Warning

Pictograms:



Hazard statements

H226 Flammable liquid and vapour.

H335 May cause respiratory irritation.

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 2 of 13

Hazard statements

- H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P391 Collect spillage.

Special labelling of certain mixtures

- EUH066 Repeated exposure may cause skin dryness or cracking.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Warning

Pictograms:



2.3. Other hazards

The mixture contains the following substances fulfilling the PBT criteria according to UK REACH: octamethylcyclotetrasiloxane.

The mixture contains the following substances fulfilling the vPvB criteria according to UK REACH: octamethylcyclotetrasiloxane.

Endocrine disrupting properties - Toxicity:

The mixture does not contain substances $\geq 0.1\%$ of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

Endocrine disrupting properties - Ecotoxicity:

The mixture does not contain substances $\geq 0.1\%$ of substances that have endocrine disrupting properties according to Regulation (EC) No. 1907/2006, Article 59(1) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
64742-95-6	Hydrocarbons, C9, aromatics			25 - < 50 %
	918-668-5		01-2119455851-35	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066			
556-67-2	octamethylcyclotetrasiloxane			< 0.1 %
	209-136-7	014-018-00-1	01-2119529238-36	
	Flam. Liq. 3, Repr. 2, Aquatic Chronic 1; H226 H361f H410			

Full text of H and EUH statements: see section 16.

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 3 of 13

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-95-6	918-668-5	Hydrocarbons, C9, aromatics	25 - < 50 %
		inhalation: LC50 = 6193 mg/l (vapours); dermal: LD50 = > 3160 mg/kg; oral: LD50 = 3492 mg/kg	
556-67-2	209-136-7	octamethylcyclotetrasiloxane	< 0.1 %
		Aquatic Chronic 1; H410: M=10	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. If unconscious but breathing normally, place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Provide fresh air. Medical treatment necessary. Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

If skin irritation occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide (CO₂), Foam, Extinguishing powder. alcohol resistant foam, Water spray jet,

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. Release of: Carbon dioxide (CO₂), Carbon monoxide, Silicon dioxide (SiO₂). Burning produces heavy smoke.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Safety Data Sheet

according to UK REACH Regulation

Revision date: 19/11/2024

ORALITE® Printing Modifier

Product code: 1001650

Page 4 of 13

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Explosion risk. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean with detergents. Avoid solvent cleaners.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Fire class B

Temperature Class T2

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Further information on handling

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

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Protect from sunlight. Store in a well-ventilated place.

Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

Further information on storage conditions

Recommended storage temperature 15 - 30 °C

7.3. Specific end use(s)

Process regulator

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 5 of 13

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
95-63-6	Trimethylbenzenes: 1,2,4-Trimethylbenzene	25	125		TWA (8 h)	WEL
108-67-8	Trimethylbenzenes: Mesitylene	25	125		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
64742-95-6	Hydrocarbons, C9, aromatics			
Worker DNEL, long-term		inhalation	systemic	151 mg/m³
Worker DNEL, long-term		dermal	systemic	12,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	32 mg/m³
Consumer DNEL, long-term		dermal	systemic	7,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	7,5 mg/kg bw/day
556-67-2	octamethylcyclotetrasiloxane			
Worker DNEL, long-term		inhalation	systemic	73 mg/m³
Worker DNEL, long-term		inhalation	local	73 mg/m³
Consumer DNEL, long-term		inhalation	systemic	13 mg/m³
Consumer DNEL, long-term		inhalation	local	13 mg/m³
Consumer DNEL, long-term		oral	systemic	3,7 mg/kg bw/day

PNEC values

CAS No	Substance	Value
	Environmental compartment	
556-67-2	octamethylcyclotetrasiloxane	
Freshwater		0,0015 mg/l
Marine water		0,00015 mg/l
Freshwater sediment		3 mg/kg
Marine sediment		0,3 mg/kg
Secondary poisoning		41 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,84 mg/kg

Additional advice on limit values

Contains: Hydrocarbons, C9, aromatics. Occupational exposure limit values: The receiver of our product is singularly responsible for adhering to existing laws and regulations.

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 6 of 13

control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable gloves type: NBR (Nitrile rubber)

Breakthrough times and swelling properties of the material must be taken into consideration. The required protective gloves have to be specified by the glove material and the penetration time of the glove material depending on strength and duration of dermal exposition.

Skin protection

Use of protective clothing. Immediately remove any contaminated clothing, shoes or stockings.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter type: A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	colourless	
Odour:	Solvent	
		Test method
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	140 °C	
Flammability:	not determined	
Lower explosion limits:	0,7 vol. %	
Upper explosion limits:	7 vol. %	
Flash point:	47 °C	ASTM D 6450 (CCCFP)
Auto-ignition temperature:	ca. 450 °C	
Decomposition temperature:	not determined	
pH-Value:	not determined	
Viscosity / kinematic (at 20 °C):	> 100 mm ² /s	
Water solubility:	easily soluble	
Solubility in other solvents	not determined	
Partition coefficient n-octanol/water:	not determined	
Vapour pressure (at 20 °C):	3 hPa	
Vapour pressure (at 50 °C):	10 hPa	
Density (at 20 °C):	0,95 g/cm ³	
Relative vapour density:	not determined	
Particle characteristics:	not applicable	

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive. Vapours can form explosive mixtures with air.

Oxidizing properties

The product is not: oxidising.

Other safety characteristics

Evaporation rate:	not determined	
Solid content:	not determined	
Flow time (at 20 °C):	< 12	4 DIN 53211

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 7 of 13

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Do not store together with: Oxidising agent, Strong acid, Strong alkali.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Avoid high temperatures or direct sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide, Silicon dioxide (SiO₂). Burning produces heavy smoke.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-95-6	Hydrocarbons, C9, aromatics				
	oral	LD50 3492 mg/kg	Rat		
	dermal	LD50 > 3160 mg/kg	Rabbit	Study report (1984)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 6193 mg/l	Rat		

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT-single exposure

May cause respiratory irritation. (Hydrocarbons, C9, aromatics)

May cause drowsiness or dizziness. (Hydrocarbons, C9, aromatics)

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.

Harmful: may cause lung damage if swallowed.

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 8 of 13

Practical experience

exceeding exposure limit values: health hazards.

Adverse human health effects and symptoms: Irritating to respiratory system. Liver and kidney damage,

Headache, Dizziness. Vapours may cause drowsiness and dizziness. The product is skin resorptive.

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation). After eye contact: Irritation or minor reversible injury possible.

11.2. Information on other hazards

Other information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
64742-95-6	Hydrocarbons, C9, aromatics					
	Acute fish toxicity	LL50 9,2 mg/l	96 h	Oncorhynchus mykiss	Study report (1994)	OECD Guideline 203
	Acute algae toxicity	ErC50 7,9 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2006)	OECD Guideline 201
	Acute crustacea toxicity	EL50 3,2 mg/l	48 h	Daphnia magna	Study report (1994)	OECD Guideline 202
	Fish toxicity	NOEC 1,228 mg/l	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
	Algae toxicity	NOEC 0,07 mg/l	3 d	Pseudokirchneriella subcapitata	ECHA	OECD Guideline 201
	Crustacea toxicity	NOEC 2,144 mg/l	21 d	Daphnia magna	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-95-6	Hydrocarbons, C9, aromatics			
	Formation of: Carbon dioxide (CO2)	78 %	28	

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64742-95-6	Hydrocarbons, C9, aromatics	>= 2,92

BCF

CAS No	Chemical name	BCF	Species	Source
64742-95-6	Hydrocarbons, C9, aromatics	>= 39,8		REACH Registration D

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The mixture contains the following substances fulfilling the PBT criteria according to UK REACH:

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 9 of 13

octamethylcyclotetrasiloxane.

The mixture contains the following substances fulfilling the vPvB criteria according to UK REACH:

octamethylcyclotetrasiloxane.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. The waste code has to be identified in agreement with the disposal company or the competent authority.

List of Wastes Code - residues/unused products

080312 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of printing inks; waste ink containing hazardous substances; hazardous waste

List of Wastes Code - used product

080312 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of printing inks; waste ink containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN 1210
14.2. UN proper shipping name:	PRINTING INK RELATED MATERIAL
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3



Classification code:	F1
Special Provisions:	163 367
Limited quantity:	5 L
Excepted quantity:	E1

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 10 of 13

Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1210
14.2. UN proper shipping name: Printing ink related material
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Special Provisions: 163 367
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 1210
14.2. UN proper shipping name: PRINTING INK RELATED MATERIAL
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Special Provisions: 163 223 367 955
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1210
14.2. UN proper shipping name: PRINTING INK RELATED MATERIAL
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Special Provisions: A3 A72 A192
Limited quantity Passenger: 10 L
Passenger LQ: Y344
Excepted quantity: E1
IATA-packing instructions - Passenger: 355
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 366
IATA-max. quantity - Cargo: 220 L

14.5. Environmental hazards

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 11 of 13

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Hydrocarbons, C9, aromatics

14.6. Special precautions for user

Warning: Combustible liquid. flammable liquids. Keep away from heat.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

Other applicable information

Hazchem code: •3Y

SECTION 15: Regulatory information

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

EU regulatory information

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):
octamethylcyclotetrasiloxane

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 29, Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions: 100 % (950 g/l)

Directive 2004/42/EC on VOC in paints and varnishes: 100 % (950 g/l)

Information according to Directive 2012/18/EU (SEVESO III): E2 Hazardous to the Aquatic Environment

Additional information: P5c

Additional information

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

Additional information

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,3,12,15.

Abbreviations and acronyms

Flam. Liq: Flammable liquids

Asp. Tox: Aspiration hazard

Repr: Reproductive toxicity

STOT SE: Specific target organ toxicity - single exposure

Aquatic Chronic: Chronic aquatic hazard

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 12 of 13

IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).
EC/EEC: European Community/European Economic Community
EU: European Union
M-factor: Multiplying factor
IATA: International Air Transport Association
DGR: Dangerous Goods Regulations
ICAO: International Civil Aviation Organization
TI: Technical Instructions
VOC: volatile organic compound

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
STOT SE 3; H335	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.

Safety Data Sheet

according to UK REACH Regulation

ORALITE® Printing Modifier

Revision date: 19/11/2024

Product code: 1001650

Page 13 of 13

Relevant H and EUH statements (number and full text)

- | | |
|--------|---|
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)