

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by
Regulation (EU) No 830/2015

Revision 2, Replaces Rev. 1

Revised: March 2019

OIL/SOIL REFILL CHEMICALS FOR THE L2000 CHLORIDE ANALYZER

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

1.1. Product identifier

Oil/Soil Refill Chemicals for the L2000 Chloride Analyzer

Product Description: The L2000 product line is a field test kit for quantitative determining PCBs and chlorinated organics in dielectric fluid and soil samples.

This product is a mixture. For identification of the individual components, see section 3.

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

This product contains prepackaged reagents for the extraction and reaction of oil and soil samples for analysis by the L2000 chloride analyzer.

1.3. Details of the supplier of the safety data sheet

Manufacturer: Dexsil Corporation
One Hamden Park Drive
Hamden, CT 06517
USA

Telephone Number: (203) 288-3509
Email: info@dexsil.com

Importer: ETI Umwelttechnik AG
Kalchbuhlstrasse 18
7007 Chur, Switzerland

Telephone Number: (081) 253 54 54
Email: info@eti-swiss.com

1.4. Emergency telephone number

USA (800) 424-9300 (CHEMTREC)

SWITZERLAND (435) 08 20 11

Section 2: Hazards Identification

2.1. Classification of the substance or mixture

Rinse, Extract and Calibration Solution: Sulfuric acid solution			
Corrosive 1;H290	May be corrosive to metals.	Eye Irritation (2A);H319	Causes serious eye irritation.
Skin Irritant 2;H315	Causes skin irritation.		

Ampule 1 (gray color yellow dot): Alkali metal dispersion			
Combustible Liquid;H227	Combustible Liquid.	Skin Corrosive 1B;H314	Causes severe skin burns and eye damage.
Water-reactive 1;H260	In contact with water releases flammable gases which may ignite spontaneously.	Eye Damage 1;H318	Causes serious eye damage.

Ampule 2 (blue dot): Naphthalene / diglyme (Bis(2-methoxyethyl)ether)			
Flammable Liquid 3;H226	Flammable liquid and vapor.	Reproductive toxicity 1B;H360FD	May damage fertility. May damage the unborn child.
Acute Toxicity 4;H302	Harmful if swallowed.	Aquatic Chronic 2;H410	Very toxic to aquatic life with long lasting effects.
Carcinogenicity 2;H351	Suspected of causing cancer.		

Soil extract: Butyl diglyme

No applicable GHS categories.	
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Drying column: Florisil	
No applicable GHS categories.	

2.2. Label elements

Rinse, Extract and Calibration



Danger

- H290 May be corrosive to metals.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H350 May cause cancer.
 H360 May damage fertility or the unborn child
 H372 Causes damage to organs through prolonged or repeated exposure (if inhaled).
 H410 Very toxic to aquatic life with long lasting effects

[Prevention]:

- P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P234 Keep only in original container.
 P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
 P264 Wash skin thoroughly after handling

- P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves / eye protection / face protection.

[Response]:

- P302+352 IF ON SKIN: Wash with plenty of soap and water.
 P305+351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+313 If eye irritation persists: Get medical advice/attention.
 P308+313 IF exposed or concerned: Get medical advice / attention.
 P321 Specific treatment (see information on this label).
 P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
 P362 Take off contaminated clothing and wash before reuse.
 P390 Absorb spillage to prevent material damage.

[Storage]:

- P406 Store in corrosive resistant container with a resistant inner liner.

[Disposal]:

- P501 Dispose of contents / container in accordance with local / national regulations.

Ampule 1 (grey, yellow dot)



Danger

- H227 Combustible liquid.
 H260 In contact with water releases flammable gases which may ignite spontaneously.
 H304 May be fatal if swallowed and enters airways
 H314 Causes severe skin burns and eye damage.
 H332 Harmful if inhaled.

[Prevention]:

- P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
 P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire.
 P260 Do not breath dust / fume / mist / spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves / eye protection / face protection.

[Response]:

- P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
 P304+340+P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor / physician.
 P305+351+338+310 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Immediately call a POISON CENTER or doctor / physician.
 P335+334 Brush off loose particles from skin. Immerse in cool water / wrap in wet bandages.
 P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P363 Wash contaminated clothing before reuse.
 P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

- P402+404 Store in a dry place. Store in a closed container.
 P403+235 Store in a well ventilated place. Keep cool.
 P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

Ampule 2 (blue dot)



Danger

H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H351 Suspected of causing cancer.
H360FD* May damage fertility. May damage the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

[Prevention]:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P260 Do not breathe mist / vapors / spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P308+313 IF exposed or concerned: Get medical advice / attention.
P320 Specific treatment is urgent (see information on this label).
P330 Rinse mouth.
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.
P391 Collect spillage.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

Soil Extract

No applicable GHS categories

Drying Column



Warning

H315 Causes skin irritation.
H335 May cause respiratory irritation.

[Prevention]:

P261 Avoid breathing dust.
P264 Wash thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P321 Specific treatment (see information on this label).
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P362 Take off contaminated clothing and wash before reuse.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0,1% or higher.

Section 3: Composition/information on ingredients

3.2. Mixtures

Oil Refills for the L2000 Chloride Analyzer consist of three different bulk solutions in polyethylene bottles and individually packaged reaction tubes consisting of a polyethylene test tube containing two glass ampules (Ampules 1 and 2). Each of the components contain different reagents. Soil Refills contain additional vials of extraction solvent and plastic drying columns.

Component	Contents	CAS#	EC#	% (by WT)
Rinse, Extract and Calibration (bulk container)	Sulfuric Acid ¹	7664-93-9	231-639-5	0.5 - 3
	Nickel Nitrate ¹	13478-00-7	236-068-5	<0.3
	in water	7732-18-5	231-791-2	>97
Ampule 1 (grey, yellow dot) (polyethylene test tube)	Sodium ¹	7440-23-5	231-132-9	10-20
	dispersed in petroleum naphtha ¹	64742-48-9	265-148-2	80-90
Ampule 2 (blue dot) (polyethylene test tube)	Naphthalene ¹ in	91-20-3	202-049-5	10-20
	Diglyme ^{1,2} Solution	111-96-6	203-924-4	80-90
Soil Extract	Butyl Diglyme ¹	112-73-2	204-001-9	80-90
	in water	7732-18-5	231-791-2	10-20
Drying Column	Florisil ¹ (magnesium silicate hydrate)	1343-90-4	215-681-1	>95

¹A REACH registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

²Bis(2-methoxyethyl)ether Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)

Section 4: First aid measures

4.1. Description of first aid measures

General advise

In case of contact with reagents, rinse well with water.

Eye Contact

For all kit components, flush eyes with large amounts of water for 15 minutes. Seek medical attention.

Skin contact

Flush with large amounts of water. Use soap and water to wash away organic components.

Inhalation

In case of inhalation, remove to fresh air.

Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available.

Section 5: Firefighting measures

5.1. Extinguishing media

Rinse, Extract and Calibration - Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Ampule 1 (grey, yellow dot) - Do not use water on a sodium fire. Use dry chemical, foam, carbon dioxide

Ampule 2 (blue dot) - Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Soil Extract - Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2. Special hazards arising from the substance or mixture

Rinse, Extract and Calibration – Nitrogen Oxides (NOx), Nickel Oxide

Ampule 1 (grey, yellow dot) – Sodium oxides

Ampule 2 (blue dot) – No data available

Soil Extract - Carbon oxides

5.3. Advice for firefighters

Do not use water on sodium. Wear SCBA. Avoid breathing sodium oxide fumes that will form on combustion.

5.4. Further information

No data available

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment incl., chemical safety glasses and rubber gloves. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations.

6.2. Environmental precautions

Keep out of drains and surface water.

6.3. Methods for material containment and cleaning up

Rinse, Extract, Calibration & Filing Solutions

Mop up thoroughly and rinse with clean water. Keep out of drains. Treat as an acid spill containing nickel nitrate.

Ampule 1 - Sodium Ampule

Cover with dry soda ash or salt. Store in a well ventilated area away from moisture.

Ampule 2 - Naphthalene/Diglyme Ampule & Soil Extract Solvent

Absorb completely and dispose of as organic waste.

Soil Extract

Absorb completely and dispose of as organic waste.

6.4 Reference to other sections

For disposal see section 13

Section 7: Handling and storage

7.1. Precautions for safe handling

Wear appropriate safety equipment when performing the test on site.

7.2. Conditions for safe storage, including any incompatibilities

Store test kits in a cool, dry place. Check expiration date prior to performing test.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Components with work place control parameters

Rinse, Extract, and Calibration - Sulfuric Acid

Derived No Effect Level (DNEL)

Application Area	Exposure routes	Health effect	Value
Workers	Inhalation	Acute local effects	0,1 mg/m3
Workers	Inhalation	Long-term local effects	0,05 mg/m3

Predicted No Effect Concentration (PNEC)

Compartment	Value
Marine water	0,00025 mg/l
Fresh water	0,0025 mg/l
Marine sediment	0,002 mg/kg
Fresh water sediment	0,002 mg/kg
Onsite sewage treatment plant	8,8 mg/l

Ampule 1 (grey, yellow dot) – Petroleum Naphtha

Components Control parameters Basis

Ampule 2 (blue dot) – Diglyme Solution

Derived No Effect Level (DNEL)

Application Area	Exposure routes	Health effect	Value
Workers	Inhalation	Long-term systemic effects	26,8 mg/m ³
Workers	Skin contact	Long-term systemic effects	2,08mg/kg BW/d
Consumers	Inhalation	Long-term systemic effects	6,67 mg/m ³
Consumers	Skin contact	Long-term systemic effects	1,04mg/kg BW/d
Consumers	Ingestion	Long-term systemic effects	1,04mg/kg BW/d

Predicted No Effect Concentration (PNEC)

Compartment	Value
Water	9,43 mg/l
Soil	1,72 mg/kg
Marine water	0,64 mg/l
Fresh water	6,4 mg/l
Marine sediment	2,74 mg/kg
Fresh water sediment	27,4 mg/kg
Onsite sewage treatment plant	50 mg/l

8.2. Exposure controls

Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.

Personal Protective Equipment (PPE)

- Respiratory protection** None required during normal use.
- Ventilation** Perform test only in a well-ventilated area. Avoid breathing in Florisil material.
- Protective gloves** Always wear rubber gloves when performing the L2000 test. Viton gloves are recommended for use with PCB=s
- Eye protection** Wear safety glasses.
- General Hygiene Measures** Avoid contact with skin, eyes and clothing. Wash after running tests.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<u>Property</u>	<u>Rinse, Extract & Calibration</u>	<u>Ampule 1</u>	<u>Ampule 2</u>	<u>Soil Ext.</u>	<u>Soil Dry Col.</u>
Boiling Pt °C	110	179-213°C	168	256	N/A
Vapor Pressure mmHg @ 21°C	18	30-93 Pa ¹	1,7	0,01	N/A
Solubility in Water	miscible	reacts	75%	0,3%	none
Specific Gravity	1,04	0,85	0,95	0,88	1,2
Percent Volatile	90	none	100	83	0
Evaporation Rate Butyl Acetate = 1	<0,01	0,04	0,36	<0,01	0
Appearance	green	gray	colorless	colorless	white cryst.
Odor	none	none	ether-like	ether-like	none

¹ Typical @ 0°C, N/A = not available

9.2. Other information

No data available

Section 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

All components are stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Sodium reacts violently with water.

10.4. Conditions to avoid

Do not expose broken sodium ampule to moisture. Keep from strong oxidizers.

10.5. Incompatible materials

Oxidizing agents

10.6. Hazardous decomposition products

Sodium will form hydrogen and sodium oxide when moisture is present. Diglyme & Butyl diglyme may form peroxides on exposure to air. Other solutions are stable.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Rinse, Extract, and Calibration (Nickel Nitrate) - Shall not be classified as acutely toxic.

Ampule 2 (Diglyme) - LD50 Oral - Rat - 5.400 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Ataxia.
Respiratory disorder

(Naphthalene) - LD50 Oral - Rat - 490,0 mg/kg

LC50 Inhalation - Rat - male and female - 4 h - > 0,4 mg/l (OECD Test Guideline 403)

LD50 Dermal - Rabbit - 20.000 mg/kg

Soil Extract (Butyl Diglyme) - LD50 Oral - Rat - 3.900 mg/kg

LD50 Dermal - Rat - male and female - > 2.000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation

Rinse, Extract, and Calibration (Nickel Nitrate) – Causes skin irritation.

Serious eye damage/eye irritation

Rinse, Extract, and Calibration (Nickel Nitrate) – Causes serious eye irritation.

Respiratory or skin sensitisation

Rinse, Extract, and Calibration (Nickel Nitrate) - May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause sensitization by skin contact. May cause sensitization by inhalation.

Germ cell mutagenicity

Rinse, Extract, and Calibration (Nickel Nitrate) – Suspected of causing genetic effects.

Carcinogenicity

Rinse, Extract, and Calibration (Nickel Nitrate) – May cause cancer by inhalation.

Ampule 2 (Naphthalene) – Rat – male and female – inhalation (vapor); Tumorigenic: Tumors at site or application.
Limited evidence of carcinogenicity in animal studies, IARC: 2B – Group 2B: Possibly carcinogenic to humans

Reproductive toxicity

Rinse, Extract, and Calibration (Nickel Nitrate) – May damage unborn child.

Ampule 2 (Diglyme) - Laboratory experiments have shown teratogenic effects.

Presumed human reproductive toxicant

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Rinse, Extract, and Calibration (Nickel Nitrate) – Causes damage to organs through prolonged or repeated exposure (if inhaled).

Aspiration hazard

No data available

Additional information

Rinse, Extract, and Calibration (Sulfuric Acid) – RETCS: WS5600000

burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Ampule 2 (Naphthalene) – Repeated dose toxicity: Rat - male and female - Oral - NOAEL : 100 mg/kg - LOAEL : 400 mg/kg – OECD Test Guideline 408

RTECS: QJ0525000

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., Naphthalene is retinotoxic and systemic absorption of its vapors above 15ppm, may result in: cataracts, optic neuritis, corneal injury, Eye irritation, Ingestion may provoke the following symptoms: hemolytic anemia, hemoglobinuria, Nausea, Headache, Vomiting, Gastrointestinal disturbance, Convulsions, anemia, Kidney injury may occur., Seizures., Coma.

Section 12: Ecological information

12.1. Toxicity

Ampule 2 (Naphthalene)

Toxicity to fish

flow-through test LC50 - Pimephales promelas (fathead minnow) - 7,9 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

static test EC50 - Daphnia magna (Water flea) - 2,16 mg/l - 48 h

12.2. Persistence and degradability

Ampule 2 (Naphthalene)

Biodegradability aerobic - Exposure time 28 d Result: 2 % - Not readily biodegradable.

12.3. Bioaccumulative potential

Ampule 2 (Naphthalene)

Bioaccumulation Fish - Bioconcentration factor (BCF): 427 - 1.158

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0,1% or higher.

12.6. Other adverse effects

Ampule 2 (Naphthalene) – Very toxic to aquatic life with long lasting effects.

Section 13: Disposal considerations

13.1. Waste treatment methods

Rinse, Extract, Calibration

Check local/regional/national/international regulation for disposal of aqueous chemicals that contain nickel nitrate.

Soil Extract

Dispose of as an organic waste in accordance with all applicable local/regional/national/international regulations.

Reaction Test Tube

Contents include reacted oil or soil sample extract, organic liquid and may contain residual PCB=s. Dispose of as an organic waste in accordance with all applicable federal, state and local environmental regulations. Contents may contain PCB=s when the original concentration is greater than 5,000 ppm.

Section 14: Transportation information

14.1. UN number

Ampule 1 (reaction tube)

ADR/RID: 1391

IMDG: 1391

IATA: 1391

Rinse, Extract, and Calibration

ADR/RID: 3264

IMDG: 3264

IATA: 3264

14.2. UN proper shipping name

Ampule 1 (reaction tube)

ADR/RID: Alkali Metal Dispersion IMDG: Alkali Metal Dispersion IATA: Alkali Metal Dispersion
Passenger Aircraft: Not permitted for transport

Rinse, Extract, and Calibration

ADR/RID: Corrosive liquid, acidic, inorganic, n.o.s. (sulfuric acid solution)
IMDG: Corrosive liquid, acidic, inorganic, n.o.s. (sulfuric acid solution)
IATA: Corrosive liquid, acidic, inorganic, n.o.s. (sulfuric acid solution)

14.3. Transport hazard class(es)

Ampule 1 (reaction tube)

ADR/RID: 4.3 IMDG: 4.3 IATA: 4.3

Rinse, Extract, and Calibration

ADR/RID: 8 IMDG: 8 IATA: 8

14.4. Packing group

Ampule 1 (reaction tube)

ADR/RID: I IMDG: I IATA: I

Rinse, Extract, and Calibration

ADR/RID: III IMDG: III IATA: III

14.5. Environmental hazards

ADR/RID: INo IMDG: Marine Pollutant: Yes IATA: No

14.6. Special precautions for user

NOTE: UN1391 materials are packaged separately from UN3264 material.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

The cargo is not intended to be carried in bulk.

Section 15: Regulatory information

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

This SDS complies with the requirements of Regulation (EC) No. 1907/2006

Ampule 2 (Diglyme)

Authorisations and/or restrictions on use

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) Bis(2-methoxyethyl)ether

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). Bis(2-methoxyethyl)ether

This product contains a substance listed on Annex XIV of the REACH Regulation (EC) Nr. 1907/2006.
Listed substance / Sunset Date: Bis(2-methoxyethyl)ether / 22.08.2017

After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.

Swiss Regulatory Information:

Federal Act on Protection against Dangerous Substances and Preparations (Chemicals Act, ChemA) of 15 December 2000 (Status as of 13 June 2006) SR 813.1

Ordinance on Protection against Dangerous Substances and Preparations (Chemicals Ordinance, ChemO) of 18 May 2005 (Status as of 15 July 2014) 813.11

Ordinance on the Reduction of Risks relating to the Use of Certain Particularly Dangerous Substances, Preparations and Articles (Chemical Risk Reduction Ordinance, ORRChem) of 18 May 2005 (Status as of 1 January 2014) SR 814.81

Federal Act on the Protection of the Environment (Environmental Protection Act, EPA) of 7 October 1983 (Status as of 1 July 2014) 814.01

Fifth Ordinance on the federal Act about Work (Occupational Safety For The Youth) ArGV 5 of 28 September 2007 (Status as of 1 August 2014) SR 822.115.2

Ordinance from the department of Economy, Education and Research on dangerous and difficult chores during pregnancy and maternity (Maternity Protection Ordinance) of 20 March 2001 (Status as of 1 January 2013) SR 822.111.52

Ordinance from the department of Environment, Traffic, Energy and Communications about Lists on the traffic of waste of 18 October 2005 (Status as of 1 January 2010) SR 814.610.1

Federal Act on Work in Industry, Trade and Commerce (Federal Act on Work) of 13 March 1964 (Status as of 1 December 2013)

15.2. Chemical safety assessment

EINECS: Components of this product are on the European Inventory of Existing Commercial Chemical Substances.

Section 16: Other information

The information in this Safety Data Sheet meets the requirements of Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No 830/2015. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and danger of these chemicals for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. These chemicals may interact with other substances. Since the potential uses are so varied, Dexasil cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Dexasil warrants that the chemicals meet the specifications set forth on the label.

DEXSIL DISCLAIMS ANY OTHER WARRANTIES; EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, IT'S MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Dexasil will periodically revise this Safety Data Sheet.

CHEMTREC emergency telephone number is to be used ONLY in the event of CHEMICAL EMERGENCIES involving a spill, leak, fire, exposure, or accident involving chemicals.