

Safety Data Sheet

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

Revision 1, Replaces Rev. 0

Revised: March 2019

CLOR-N-SOIL 50 PCB SCREENING KIT

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

1.1. Product identifier

Product Description: The CLOR-N-SOIL product line is a field Test Kit for screening soil for the presence of PCBs.

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 analysis of soil samples for PCB contamination.

1.3. Details of the supplier of the safety data sheet

Manufacturer: Dexasil Corporation
One Hamden Park Drive
Hamden, CT 06517

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

Ampule 1 (gray color)

Combustible Liquid;H227	Combustible Liquid.	Skin Corr. 1B;H314	Causes severe skin burns and eye damage.
Water-react. 1;H260	In contact with water releases flammable gases which may ignite spontaneously.	Eye Dam. 1;H318	Causes serious eye damage.

Ampule 2 (blue-dot)

Flam. Liq. 3;H226	Flammable liquid and vapor.	Repr. 1B;H360FD	May damage fertility. May damage the unborn child.
Acute Tox. 4;H302	Harmful if swallowed.	Aquatic Chronic 2;H410	Very toxic to aquatic life with long lasting effects.
Carc. 2;H351	Suspected of causing cancer.		

Ampule 3 (colored-dot)

Acute tox. (oral) 4;	H302 Harmful if swallowed
Acute tox. (inh.) 4;	H332 Harmful if inhaled
Skin corr./irr. 2;	H315 Causes skin irritation
Ser. eye dam./eye irr. 2A;	H319 Causes serious eye irritation
Spec. tar. Org. tox. (rep. exp.) 2;	H373 May cause damage to organs (nervous system, kidneys, blood) through prolonged or repeated exposure
Aquatic-Acute Haz. 2;	H401 Toxic to aquatic life
Aquatic-Chronic Haz. 2;	H411 Toxic to aquatic life with long lasting effects

Ampule 4 (red-green color)

Flam. Liq. 2;H225	Highly Flammable liquid and vapor.	Eye Irrit. 2;H319	Causes serious eye irritation.
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Ampule 5 (colorless)

Aquatic Acute 1;H400	Very toxic to aquatic life.	Eye Irrit. 2;H319	Causes serious eye irritation.
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Aqueous Solution

Corrosive 1;H290	May be corrosive to metals	Eye Dam. 1;H318	Causes serious eye damage.
Skin Irrit. 2;H315	Causes skin irritation		

Soil ExtractNo applicable GHS categories

Drying Column

No applicable GHS categories

2.2. Label elements**Ampule 1 (gray color)****Danger**

H227 Combustible liquid.

H260 In contact with water releases flammable gases which may ignite spontaneously.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

[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.

P231+232 Handle under inert gas. Protect from moisture.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash thoroughly after handling.

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

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.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P310 Immediately call a POISON CENTER or doctor / physician.

P331 Do NOT induce vomiting.

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.

H360 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.

P284 Wear respiratory 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.

Ampule 3 (colored-dot):



Danger

H302+H332 - Harmful if swallowed or if inhaled
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H373 - May cause damage to organs (nervous system, kidneys, blood) through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects

[Prevention]:

P260 - Do not breathe mist, vapors, spray
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P264 - Wash exposed skin 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]:

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
P314 - Get medical advice and attention if you feel unwell
P332+P313 - If skin irritation occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P363 - Wash contaminated clothing before reuse
P391 - Collect spillage

[Storage]:

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

[Disposal]:

P501 - Dispose of contents/container to comply with local, state and federal regulations
If inhaled: Remove person to fresh air and keep comfortable for breathing

Ampule 4 (red-green color)



Danger

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.

[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[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.

Ampule 5 (colorless)



Warning

H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.

[Prevention]:

P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P305+351+338 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.

P391 Collect spillage.

[Storage]:

No GHS storage statements.

[Disposal]:

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

Aqueous Solution



Danger

H290 May be corrosive to metals
H315 Causes skin irritation.
H318 Causes serious eye damage.

[Prevention]:

P264 Wash thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+330+331 IF SWALLOWED: Rinse mouth. No NOT induce vomiting.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P310 Immediately call a POISON CENTER or doctor / physician.

P362 Take off contaminated clothing and wash before reuse.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

Soil Extract

No applicable GHS categories

Drying Column

No applicable GHS categories

For additional information on toxicity, please refer to Section 11.

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

The CLOR-N-SOIL 50 PCB Screening Kit consists of an empty test tube, a test tube containing two ampules, a test tube containing two ampules and an aqueous solution, a separate ampule, a vial of extraction solvent, and a plastic drying column.

Component	Contents	CAS#	EC#	% liquid
Ampule 1 (gray color)	Sodium ¹	7440-23-5	231-132-9	0.29%
	dispersed in oil ¹	64742-46-7	265-148-2	1.18%
Ampule 2 (blue-dot)	Naphthalene ¹ in	91-20-3	202-049-5	0.20%
	Diglyme ^{1,2} Solution	111-96-6	203-924-4	0.61%
Ampule 3 (brown-dot)	Mercuric Nitrate ¹	10045-94-0	233-152-3	0.01%
	in water	7732-18-5	231-791-2	3.21%
Ampule 4 (red-green color)	Ethanol ¹	64-17-5	200-578-6	1.68%
Ampule 5 (colorless)	Organo-Sulfur Compound ¹	128-04-1	204-876-7	2.56%
Aqueous Solution	Sulfuric Acid ¹	7664-93-9	231-639-5	1.01%
	in water	7732-18-5	231-791-2	33.54%
Soil Extract Solution	Butyl Diglyme	112-73-2	204-001-9	37.58%
	in water	7732-18-5	231-791-2	8.53%
Drying Column	Florisil	1343-90-4	215-681-1	9.60%
				100.00%

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

First Aid: 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 labeling (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

Extinguishing Media DO NOT USE WATER ON A SODIUM FIRE. Use Dry chemical, foam, CO₂.

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

5.2. Special hazards arising from the substance or mixture

Ampule 1 (grey, yellow dot) – Sodium oxides

Ampule 2 (blue dot) – No data available

Ampule 3 (colored dot) – Nitrogen oxide (NO_x), mercury/mercury oxide

Ampule 4 (red green solution) – No data available

Ampule 5 (colorless) – No data available

Aqueous Solution – No data available

Soil Extraction Solvent – No data available

Drying Column – No data available

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

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

Absorb completely and dispose of as organic waste.

Ampule 3 - Mercuric Nitrate Ampule

Absorb completely and flush area with water. Keep out of drains.

Ampule 4 - Ethanol Ampule

Solvent absorbent recommended for spills. Flush area with water.

Ampule 5 - Disposal Ampule

Absorb completely and flush area with water.

Aqueous Solution

Absorb completely and flush area with water.

Soil Extraction Solvent

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

Ampule 1 (grey, yellow dot) – petroleum naphtha

Components	Control parameters	Basis
RCP Dearom. Mineral spirits 175 – 220	600 mg/m3	DE TRGS 900

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/m3
Workers	Skin contact	Long-term systemic effects	2,08mg/kg BW/d
Consumers	Inhalation	Long-term systemic effects	6,67 mg/m3
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

Ampule 3 (mercuric nitrate)

Exposure route	Threshold limits	Basis
TWA	0,02 mg/m3	EU Directive 2009/161 of the commission for the establishment of a third list of workplace limits pre derective98/24/EU as amended 2000/39/EU

Ampule 4 (ethanol)

Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
DNEL	1.900 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
DNEL	343 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
DNEL	950 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects

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>Ampule 1</u>	<u>Ampule 2</u>	<u>Ampule 3</u>	<u>Ampule 4</u>	<u>Ampule 5</u>	<u>Aq. Sol=n</u>	<u>Soil Ext.</u>	<u>Dry. Col.</u>
Boiling Pt.°C	N/A	168	100	78	100	>100	256	N/A
Vapor Pressure mm Hg @ 21°C	N/A	1.7	18	44	16	18	<0.01	N/A
Solubility in Water	reacts	75%	complete	miscible	miscible	complete	0.3%	none
Specific Gravity	0.86	0.95	1.02	0.79	1.17	1.09	0.88	1.2
Percent Volatile	None	100	none	99	none	100	100	0
Evaporation Rate Butyl Acetate =1	N/A	0.36	N/A	2.7	N/A	N/A	<0.01	0
Appearance	gray	colorless	colorless	red-green	colorless	colorless	colorless	white crst.
Odor	none	etherlike	none	pleasant	sulfur-like	none	ether-like	none

N/A = not 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 may form peroxides on exposure to air. Other solutions are stable.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

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

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

Ampule 3 (mercuric nitrate) - Can damage organs with repeated exposure.

Aspiration hazard

No data available.

Additional information

Aqueous solution (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.

Ampule 3 (mercuric nitrate)

RTECS: OW8225000

Extremely damaging effect on the tissue of the mucous membranes and upper respiratory tract, as well as on eyes and skin., cough, shortness of breath, headache, nausea

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

Ampule 3 (mercuric nitrate)

Ampule 4 (Ethanol)

Toxicity to fish

Rainbow trout: LC50 = 12900-15300 mg/L; 96 Hr; Flow-through @ 24-24.3°C
Rainbow trout: LC50 = 11200 mg/L; 24 Hr;
Fingerling (Unspecified)

Toxicity to bacteria

Phytobacterium phosphoreum: EC50 = 34900 mg/L; 5-30 min;

Microtox test When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to adsorb to sediment or bioconcentrate in fish.

Ampule 5 (Organosulfur compound)

Toxicity to Fish

Rainbow trout: LC50 = 2.6 mg/L; 96 Hr.; Unspecified

Toxicity to bacteria

Phytobacterium phosphoreum: EC50 = 0.508 mg/L; 15 minutes; Microtox test.

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

No data available.

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.

Ampule 3 (Mercuric nitrate) – Very toxic to aquatic life with long lasting effects.

Section 13: Disposal considerations

13.1. Waste treatment methods

Extraction Test Tube: Contains soil sample and extract Dispose of as organic waste in accordance with all applicable federal, state, and local environmental regulations.

Sampling Pipette: Pipette may contain residual PCBs. Dispose of in accordance with all applicable federal, state and local environmental regulations.

Test Tube 1: Contains reacted sample and organic liquid and may contain residual PCBs. Dispose of as an organic waste in accordance with all applicable federal, state and local environmental regulations.

Test Tube 2: Upon completion of test including the addition of ampule 5, contents will pass US EPA TCLP test. Dispose of in accordance with all applicable federal, state and local environmental regulations.

Section 14: Transportation information

14.1. UN number

Ampule 1 (sodium dispersion)			
ADR/RID: 1391	IMDG: 1391	IATA: 1391	
Ampule 2 (diglyme)			
ADR/RID: 1993	IMDG: 1993	IATA: 1993	
Ampule 4 (ethanol)			
ADR/RID: 1170	IMDG: 1170	IATA: 1170	

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

Ampule 1 (reaction tube)			
ADR/RID: 4.3	IMDG: 4.3	IATA: 4.3	
Ampule 2 (diglyme)			
ADR/RID: de minimis	IMDG: de minimis	IATA: de minimis	
Ampule 4 (ethanol)			
ADR/RID: de minimis	IMDG: de minimis	IATA: de minimis	

14.4. Packing group

ADR/RID: I IMDG: I IATA: I

14.5. Environmental hazards

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

14.6. Special precautions for user

NOTE: UN1993 and UN1170 materials are present in de minimis quantities.

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

Authorizations and/or restrictions on use

Ampule 2 (Diglyme)

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.

Ampule 3 (mercuric nitrate)

REACH - Regulation (EU) No 1907/2006 Annex XVII, entry 18 - Mercury compounds: This use is not restricted.

EU Regulation No. 649/2012 of the European Parliament – Not regulated per Article 2 paragraph 3.

Minamata Convention on Mercury – Excluded mercury added product per article 4, para. 1, sub (b) and (c) and article 3, para. 2, sub (a) and (c).

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

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

For this product a chemical safety assessment was not carried out

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, Dexsil cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Dexsil 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, Dexsil 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.

For additional information, contact Dexsil.