

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

1 Identification

- **Product identifier**
- **Trade name:** Engineered Power Hybrid PIG Cell
- **Product code:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Lithium-based battery product.
- **Restrictions on use:** Contact manufacturer/supplier
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Engineered Power
20, 3103 - 14th Avenue N.E. Calgary, Alberta, Canada T2A 7N6
Telephone
(403) 235-2584
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924 (North America)
+1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 3 H311 Toxic in contact with skin.
Acute Tox. 4 H332 Harmful if inhaled.
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Repr. 1 H360 May damage fertility or the unborn child.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
- **Additional information:**
Note: Leaking cells pose health hazards: see Sections 4 and 11. Intentional abuse of cells or batteries increases the risk of harm or damage to the product, to the user, and to surrounding materials and personnel. Do not attempt to open sealed cells or batteries. Do not intentionally short-circuit cells or batteries. Do not expose these products to temperatures exceeding the maximum manufacturers rating. Do not dispose of cells/batteries in landfills. Please follow all manufacturer guidelines in the use, storage, and disposal of these products. Consult manufacturer in cases of questions involving specific product usage.
There are no other hazards not otherwise classified that have been identified.
Exposure to product contents is highly unlikely during normal usage.
Adverse health effects are not reasonably expected from normal use of product.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

(Cont'd. on page 2)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 1)

· **Hazard pictograms:**



GHS05 GHS06 GHS08

· **Signal word:** Danger

· **Hazard statements:**

H302+H332 Harmful if swallowed or if inhaled.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dusts or mists.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P270 Do not eat, drink or smoke when using this product.

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

P303+P361+P353 If on skin (or hair): 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. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

P405 Store locked up.

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

· **Additional information:**

Information references exposures to battery contents, and not exposures to whole units. Exposures to whole units are unlikely to produce health hazards.

· **NFPA ratings (scale 0 - 4)**



Health = 3

Fire = 1

Reactivity = 0

The substance demonstrates unusual reactivity with water.

(Cont'd. on page 3)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 2)

· HMIS-ratings (scale 0 - 4)
















HEALTH	3	Health = *3
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

* - Indicates a long term health hazard from repeated or prolonged exposures.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· Chemical characterization: Mixtures
· Components:

1313-13-9	manganese dioxide  STOT RE 2, H373  Acute Tox. 4, H302; Acute Tox. 4, H332	< 50%
51311-17-2	carbon monofluoride  Acute Tox. 3, H311  Skin Corr. 1B, H314; Eye Dam. 1, H318  Acute Tox. 4, H332	< 40%
	Trade Secret  Acute Tox. 3, H301; Acute Tox. 3, H311  STOT RE 2, H373  Skin Corr. 1B, H314	< 20%
	Trade Secret  Flam. Liq. 2, H225  Repr. 1B, H360  Acute Tox. 4, H332	< 10%
7439-93-2	lithium  Water-react. 1, H260  Skin Corr. 1B, H314	< 10%
	Trade Secret  Flam. Liq. 2, H225	< 5%
	Trade Secret  Eye Irrit. 2A, H319	< 5%

· Additional information:

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
 For the wording of the listed Hazard Statements refer to section 16.

4 First-aid measures

· Description of first aid measures
· General information:

Information references exposures to battery contents, and not exposures to whole units. Exposures to whole units are unlikely to produce health hazards.

(Cont'd. on page 4)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 3)

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

• **After inhalation:**

Unlikely route of exposure.

Supply fresh air or oxygen; call for doctor.

In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of unconsciousness place patient stably in side position for transportation.

• **After skin contact:**

Unlikely route of exposure.

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment if any skin damage has occurred.

Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.

• **After eye contact:**

Unlikely route of exposure.

Protect unharmed eye.

Remove contact lenses if worn, if possible.

Rinse opened eye for several minutes under running water. Then consult a doctor.

• **After swallowing:**

Unlikely route of exposure.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

• **Most important symptoms and effects, both acute and delayed:**

Adverse health effects are not reasonably expected from normal use of product.

Symptoms, effects, and hazards reference leaking materials only. Normal handling and usage will not result in hazardous exposures.

Strong caustic effect on skin and mucous membranes.

Coughing

Breathing difficulty

May cause respiratory irritation.

Gastric or intestinal disorders when ingested.

Eye damage.

• **Danger:**

Toxic in contact with skin.

May damage fertility or the unborn child.

Suspected of causing cancer.

May cause damage to organs through prolonged or repeated exposure.

Causes severe skin burns and eye damage.

Harmful if swallowed or if inhaled.

• **Indication of any immediate medical attention and special treatment needed:**

Decontaminate patient thoroughly with sodium bicarbonate solution; assume that some skin contact has taken place. Treat other symptoms symptomatically, with emphasis on maintaining electrolyte balance.

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

(Cont'd. on page 5)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 4)

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 - Sand
 - Graphite powder such as Lith-X.
 - Use only the agents indicated above.
- **For safety reasons unsuitable extinguishing agents:** Water or Halons.
- **Special hazards arising from the substance or mixture**
 - Information references exposures to battery contents, and not exposures to whole units.
 - In contact with water releases flammable gases, which may ignite spontaneously.
 - During heating or in case of fire poisonous gases are produced.
 - Reacts violently with water.
- **Advice for firefighters**
- **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Do not inhale explosion gases or combustion gases.
 - Wear fully protective suit.
- **Additional information:** Evacuate area and fight fire from from the upwind side.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - If containers are leaking, use respiratory protective device against the effects of fumes/dust/aerosol.
 - Wear protective equipment. Keep unprotected persons away.
 - Ensure adequate ventilation.
- **Environmental precautions**
 - Do not allow to enter sewers/ surface or ground water.
 - Avoid release to the environment.
- **Methods and material for containment and cleaning up**
 - If a spill is small, a trained person may attempt to stop or contain the leak by carefully neutralizing spill with calcium carbonate or sodium bicarbonate. Seal leaking container and neutralized product in a plastic bag and transfer to a lidded container for disposal or recovery. Consult an accredited waste disposal contractor or the local authority for additional advice. Large spills should only be handled by specially trained hazardous materials personnel.
 - Do not flush with water or aqueous cleansing agents
 - Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

(Cont'd. on page 6)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 5)

7 Handling and storage

- **Handling**

- **Precautions for safe handling:**

Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.

Keep away from open flames or temperatures exceeding manufacturer ratings. DO NOT ATTEMPT TO OPEN SEALED CELLS OR BATTERIES – BATTERY CONTENTS MAY PRESENT SERIOUS SAFETY AND HEALTH HAZARDS. SHORT-CIRCUITING THE TERMINALS OF A DEVICE MAY RESULT IN DAMAGE TO DEVICE AND ANY NEARBY OBJECTS OR PERSONNEL.

- **Information about protection against explosions and fires:**

Protect from heat.

Keep respiratory protective device available.

- **Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and receptacles:**

Store in a dry, well-ventilated place.

Do not use or store near open flame.

Avoid extreme temperatures; battery may rupture and release contents.

Do not store and transport with incompatible materials.

Store individual batteries or cells only in approved packaging in order to avoid inadvertent short circuits, as this may result in damage to device, nearby objects, personnel, or all of the above.

Provide ventilation for receptacles.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

Do not store together with alkalis (caustic solutions).

Store in accordance with local/regional/national/international regulations.

- **Further information about storage conditions:**

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

Keep containers tightly sealed.

- **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

51311-17-2 carbon monofluoride

TLV (USA)	Short-term value: 2.5 mg/m ³ As fluorides
-----------	---

(Cont'd. on page 7)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 6)

110-71-4 1,2-dimethoxyethane

EV (Canada)	Long-term value: 18 mg/m ³ , 5 ppm Skin
-------------	---

646-06-0 1,3-dioxolane

TLV (USA)	Long-term value: 61 mg/m ³ , 20 ppm
EL (Canada)	Long-term value: 20 ppm R
EV (Canada)	Long-term value: 20 ppm
LMPE (Mexico)	Long-term value: 20 ppm

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

- **Engineering controls:** Provide adequate ventilation.

- **Breathing equipment:** For spills, respiratory protection may be advisable.

- **Protection of hands:**



Protective gloves

Not required under normal conditions of use.

Wear protective gloves to handle contents of damaged or leaking units.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:**

Contact lenses should not be worn.

Not required for normal handling. Wear protective eyewear while handling damaged or leaking product.



Safety glasses

- **Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

- **Limitation and supervision of exposure into the environment**

Avoid release to the environment.

(Cont'd. on page 8)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 7)

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

Form: Solid metal container containing liquid and solid contents.

Color: Various colors

· **Odor:** Normally odourless. Leaking devices may emit acrid, sulphurous or ethereal odours.

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** Not determined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

· Explosion limits

Lower: Not determined.

Upper: Not determined.

· **Oxidizing properties:** Non-oxidizing.

· **Vapor pressure:** Not applicable.

· Density:

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate: Not determined.

· Solubility in / Miscibility with

Water: Not determined.

· **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity

Dynamic: Not determined.

Kinematic: Not determined.

· **Other information** No relevant information available.

10 Stability and reactivity

· **Reactivity:** No relevant information available.

· **Chemical stability:** Stable under normal temperatures and pressures.

· **Thermal decomposition / conditions to be avoided:** Risk of explosion if heated under confinement.

· Possibility of hazardous reactions

Hazardous reactions generally occur with contents of leaking batteries only.

(Cont'd. on page 9)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 8)

- Corrosive action on metals.
 - Toxic fumes may be released if heated above the decomposition point.
 - **Conditions to avoid** Excessive heat.
 - **Incompatible materials** Oxidizers, strong bases, strong acids
 - **Hazardous decomposition products**
- Under fire conditions only:
Toxic metal oxide smoke

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Caustic effect on skin and mucous membranes.
- **On the eye:** Strong caustic effect.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:**
None from normal handling. Symptoms only seen in exposure to leaking articles.
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Probable route(s) of exposure:**

None

Information references exposures to battery contents, and not exposures to whole units. Exposures to whole units are unlikely to produce health hazards.

Ingestion.

Inhalation.

Eye contact.

Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):**

None from normal handling. Symptoms only seen in exposure to leaking articles.

Toxic in contact with skin.

Harmful if swallowed or if inhaled.

Causes severe skin burns and eye damage.

- **Repeated dose toxicity:** Danger of very serious irreversible effects.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Repr. 1

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

- **Carcinogenicity:** Suspected of causing cancer.

- **Reproductive toxicity:** May damage fertility or the unborn child.

(Cont'd. on page 10)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 9)

- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity** Very toxic to aquatic life.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information**
- **General notes:**
 - Avoid release to the environment.
 - Do not allow product to reach ground water, water course or sewage system, even in small quantities.
 - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
 - Danger to drinking water if even extremely small quantities leak into the ground.
 - Also poisonous for fish and plankton in water bodies.
 - Very toxic for aquatic organisms
- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
 - Contact waste processors for recycling information.
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|----------------------------------|---|
| · UN-Number | |
| · DOT, ADR, IMDG, IATA | UN3090 |
| · UN proper shipping name | |
| · DOT, IATA | Lithium metal batteries |
| · ADR | 3090 LITHIUM METAL BATTERIES |
| · IMDG | LITHIUM METAL BATTERIES, MARINE POLLUTANT |

(Cont'd. on page 11)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 10)

· **Transport hazard class(es)**

· **DOT, IATA**



· **Class** 9 Miscellaneous dangerous substances and articles
 · **Label** 9

· **ADR**



· **Class** 9 (M4) Miscellaneous dangerous substances and articles
 · **Label** 9

· **IMDG**



· **Class** 9 Miscellaneous dangerous substances and articles
 · **Label** 9

· **Packing group**

· **DOT, ADR, IMDG, IATA** II

· **Environmental hazards**

· **Marine pollutant:** Symbol (fish and tree)

· **Special precautions for user**

Warning: Miscellaneous dangerous substances and articles

· **EMS Number:**

F-A,S-I

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

Not regulated when carried in single or combination packaging containing a net quantity of 5 L or less for liquids or 5 kg or less for solids per the following:
 DOT: 171.4(c)(2)
 ADR: SP 375
 IMDG: 2.10.2.7
 IATA: special provision A197

(Cont'd. on page 12)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 11)

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

- **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 304 (emergency release notification):**

None of the ingredients are listed.

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

Some ingredients listed.

- **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

- **Proposition 65 (California)**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency):**

1313-13-9 manganese dioxide

D

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** March 13, 2017 / -

- **Abbreviations and acronyms:**

LDLo: Lowest Lethal Dose Observed

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

(Cont'd. on page 13)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: March 13, 2017

Revision: March 13, 2017

Trade name: Engineered Power Hybrid PIG Cell

(Cont'd. of page 12)

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Flam. Liq. 2: Flammable liquids – Category 2
 Water-react. 1: Substances and mixtures which in contact with water emit flammable gases – Category 1
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 3: Acute toxicity – Category 3
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 Repr. 1: Reproductive toxicity – Category 1
 Repr. 1B: Reproductive toxicity – Category 1B
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

• **Sources**

Website, European Chemicals Agency (echa.europa.eu)
 Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)
 Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
 Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
 Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.
 Safety Data Sheets, Individual Manufacturers

SDS Prepared by:
 ChemTel Inc.
 1305 North Florida Avenue
 Tampa, Florida USA 33602-2902
 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
 Website: www.chemtelinc.com