

Material Safety Data Sheet

Revision date 18-Mar-2015

Supersedes date 02-Dec-2010

Version 2

1. Identification of the Substance/Mixture and of the Company/Undertaking

Product Identification

Product name PARA-TERPHENYL
Chemical name p-Terphenyl
CAS No. 92-94-4

Use of the substance/mixture

Recommended use Intermediate, Electronic and optical products, Manufacture of computer.

Company/undertaking identification

Company Schultz Canada Chemicals Ltd

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2. Hazards Identification

Hazard and precautionary statements

Hazard pictograms	None.
Signal words	Warning.
Hazard statements	If converted to small particles during further processing, handling or by other means may form combustible dust concentrations in air.
Precautionary statements	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with local/regional/national/international regulations.
Other hazards	None known.

3. Composition/Information on Ingredients

Component	Concentration (Weight %)	CAS No
p-Terphenyl	100	92-94-4

4. First-Aid Measures

General advice	In case of doubt or symptoms persist, seek medical advice. In case of unconscious, get medical attention immediately.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately if symptoms occur.
Skin contact	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Inhalation	Remove to fresh air , keep comfortable for breathing. Get medical attention if symptoms persist.
Ingestion	Rinse mouth with water. Seek medical advice.
Notes to physician	Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media	
Extinguishing media which shall not be used for safety reasons	Do not use direct water stream. May spread fire.
Special hazard	Powdered material may form explosive dust-air mixtures.
Special protective equipment for firefighters	As in any fire, wear self-contained breathing apparatus (SCBA) , and full protective gear. Evacuate all persons from the vicinity Promptly isolate the scene. Prevent fire extinguishing water from contaminating surface water and groundwater systems .Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and

extinguishing water contaminated must comply with local regulations for disposal. In the premise there is no danger of the container is removed from the scene in. Water spray to cool containers / tanks.

6. Accidental Release Measures

Personal precautions	Do not touch or walk through spilled material. Avoid contact skin, eyes and clothing. Wear personal protective equipment. If appropriate refer to headings 8.
Environmental precautions	Stop leak if safe to do so.Clean up spill immediately. Prevent from entering into soil,drains or water courses.
Methods for containment and cleaning up	Stop leak if safe to do so.Small Spillages: Sweep up and place in a clearly labeled container for chemical waste. Large Spillages:Collect spillage with shovel, broom or the like and reuse, if possible.Recycling or shipped to the disposal of waste places. Clean contaminated surface thoroughly. Prevent product and washings from entering drains, sewers or surface water.
Reference to other sections	If appropriate refer to headings 8 and 13.

7. Handling and Storage

Handling	Use in well ventilated areas.Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Minimize dust generation and accumulation. Avoid breathing vapors or mists.Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Wear personal protective equipment.Wash thoroughly after handling.See also headings 8.
Storage	Store in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from contact with oxidizing materials. Away from fire and heat source. Keep in properly labelled containers .Store in accordance with local/national/international regulations.

8. Exposure Controls/Personal Protection

Exposure limits

ACGIH TLV	OSHA PEL
Ceiling: 5 mg/m ³	Ceiling: 1 ppm Ceiling: 9 mg/m ³

Exposure controls	
Engineering controls	maintain air concentrations below occupational exposure standards. Apply technical measures to comply with the occupational exposure limits.If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.
Personal protective equipment	
Eye/face protection	Use chemical goggles. In order to avoid direct exposure to liquid splashes, mists or dusts suggestion: Wear safety glasses with side shields if splashing may occur, wear a mask.
Skin and body protection	Wear protective gloves. If necessary,wear protective clothing and rubber boots to prevent skin and body contact with liquid Material.
Respiratory protection	Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hand protection	Wear chemical resistant gloves. Please read carefully the glove supplier Explain the permeability about gloves and solvent penetration time.
Environmental exposure controls	The product should not be allowed to enter drains, water courses or the soil. Avoid release to the environment.

9. Physical and Chemical Properties

Physical/ chemical properties Information

Appearance	
Physical state	solid
Form	Flakes
Color	White
Odor	Sweet
Odor threshold	Not determined
pH	No data available
Melting point/freezing point	213 °C
Boiling point/boiling range	376 °C (101.3 kPa)
Flash point	210 °C
Evaporation rate	No data available
Flammability (solid, gas)	Not determined
Flammability limits in air	
Upper flammability limit	No data available
Lower flammability limit	No data available
Vapor pressure	Not determined
Vapor density (air=1)	7.95
Specific gravity	No data available
Water solubility	0.0179 mg/l (25°C)

Solubility in other solvents	No data available
Partition coefficient:n-octanol/water	Log Pow: 6.03
Auto-ignition temperature	535 °C
Decomposition temperature	No data available
Viscosity, kinematic	not applicable
Explosive properties	Not classified
Oxidizing properties	Not classified

10. Stability and Reactivity

Reactivity	None known.
Stability	Stable.
Possibility of hazardous reactions	None known.
Incompatible materials	Strong oxidizing agents.
Conditions to avoid	None at ambient temperatures.
Hazardous decomposition products	None known.

11. Toxicological Information

Information on likely routes of exposure	
Inhalation	None known.
Ingestion	None known.
Skin contact	None known.
Eye contact	None known.
Information on toxicological effects	
Oral	LD50 (Rat): > 10000 mg/kg.
Dermal	LD50 (Rabbi): >2000 mg/kg.
Inhalation	LC50 (Rat,1h): 1.03 mg/l.

Repeated dose toxicity	No data available
Skin corrosion/Irritation	None (Rabbit, 24 h).
Serious eye damage/eye Irritation	None (Rabbit, 24 h).
Respiratory or skin sensitization	No data available
Carcinogenicity	No data available
Toxicity to reproduction	No data available
Developmental toxicity	No data available
Germ cell mutagenicity	
In vitro	Mutagenicity - Mammalia: Negative.
In vivo	Chromosomal aberration (Rat, Male and Female): Negative.
Specific target organ oxicity - Single exposure	No data available.
Specific target organtoxicity - Repeated exposure	No data available.
Aspiration hazard	No data available.
Other adverse effects	No data available.

12. Ecological Information

Ecotoxicity

Acute aquatic toxicity	
Fish	No data available.
Aquatic invertebrates	LC50: 5.5mg/l (Daphnia magna, 48 h)
Acute to aquatic plants	
Algae/aquatic plants	No data available.
Chronic aquatic toxicity	
Fish	No data available.
Aquatic invertebrates	No data available.
Toxicity to aquatic plants	
Algae/aquatic plants	No data available.
Persistence and degradability	
Biodegradation	Not readily degradable.
BOD/COD Ratio	No data available.

Bioaccumulative potential	
Bioconcentration factor (BCF)	BCF: 31.6.
Partition coefficient n-octanol / water	Log Kow: 6.03.
Mobility in soil	No data available.
Other adverse effects	No data available

13. Disposal Considerations

Waste disposal methods	Do not allow into any sewers, ground, or into any water. All disposal practices must be in compliance with state and local laws and regulations. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in headings 8 (exposure controls and personal protection) of the SDS.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Other Information	See headings 15 for more information.

14. Transport Information

DOT	Not regulated
IMDG	Not regulated
IATA	Not regulated

15. Regulatory Information

Canada	
WHMIS Status	Noncontrolled.
United States	
SARA 311-312 Hazard Classification(s)	Fire hazard.
US EPCRA (SARA Title III) Section 313 - Toxic Chemical List	None.
OSHA	hazardous.

16. Other Information

Revision date	15-Apr-2015
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Supersedes date	05-June-2011
Revision note	New SDS format. SDS sections updated: All.

Disclaimer

The SDS information applies only to the specified product, unless otherwise specified, in the case of a mixture of this product with other substances, which do not apply. The information provided is a guide for the safe operation and not as a guarantee of the quality manual. The SDS only those received professional training in the proper use of the product provides product safety information for. Users of this SDS, under special conditions of use must be made of the suitability of the SDS independent judgment. In special occasions, due to the use of this SDS caused injury, this SDS writers will not be held responsible.
