# Protect-Dip Aerosol

## Section 1. Identification

**Common name:** Protect-Dip Aerosol
**Product Code:** N/A
**Synonym:** Not applicable
**Material uses:** Removable protective paint

### Supplier / Manufacturer:

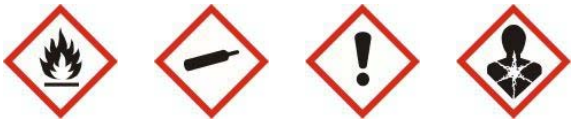
**Protect-Dip Inc.**
217-3450 Boulevard Sainte-Anne
Québec
Québec, Canada, G3E 1L7
Phone: 418-801-9066
Fax: 418-647-3943

### In case of emergency:

**CANUTEC: (613) 996-6666**
**Or call your local Emergency Health Services Center.**

## Section 2. Hazards identifications

**Classification:**



Flammable aerosol, Category 1
Compressed gas
Skin irritation, Category 2
Eye irritation, Category 2A
Carcinogenicity, Category 2
Reproductive toxicity, Category 2
Specific target organ toxicity - Single exposure (Narcotic effects), Category 3
Specific target organ toxicity - Repeated exposure, Category 2
Aspiration hazard, Category 1

**Signal word:** Danger

**Hazard statements:**

H222: Extremely flammable aerosol.
H280: Contains gas under pressure; may explode if heated.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.
H361: Suspected of damaging 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.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P264: Wash exposed and/or contaminated area thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or a doctor.
P302+P352: IF ON SKIN: Wash with plenty of water and soap.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P308+P313: If exposed: Call a POISON CENTER or doctor/physician.
P312: Call a POISON CENTER or doctor if you feel unwell.
P314: Get medical advice/attention if you feel unwell.
P321: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
P331: Do NOT induce vomiting.
P337+P313: If eye irritation persists get medical advice/attention.
P403+P233: Store in a well ventilated place. Keep container tightly closed.
P405: Store locked up.
P410+P403: Protect from sunlight. Store in a well-ventilated place.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501: Dispose of contents / container by a local waste disposal company according to regional regulations.

## Section 3. Composition and information on ingredients

| Name | CAS | Concentration % |
|---|---|---|
| Dimethyl ester | 115-10-6 | 25 - 30 |
| Polysioprene | 9003-31-0 | 16 - 20 |
| Toluene | 108-88-3 | 10 - 15 |
| Xylene | 1330-20-7 | 10 - 15 |
| Isohexane | 73513-42-5 | 10 - 15 |
| Heptane | 142-82-5 | 5 - 10 |
| Carbon black | 1333-86-4 | 1 - 3 |
| Mesitylene | 108-67-8 | 1 - 3 |

## Section 4. First aid measures

**Description of first aid if required:**

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

**Eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes.

**Skin contact:**
Take off immediately all contaminated clothing. Rinse skin with water.

**Inhalation:**
Bring the conscious victim to fresh air.

**Ingestion:**
Rinse mouth. Do NOT induce vomiting.

**Indication of immediate medical attention and special treatment needed, if necessary:**
Treat according to symptoms.

**Most important acute symptoms and effects:**
May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

**Most important delayed symptoms and effects:**
Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

## Section 5. Fire fighting measures

**Flammability of the product:**
Flammable aerosol

**Flash point:**
-12°C / 10.4°F Closed cup

**Auto-ignition temperature:**
N/A

**Products of combustion:**
Toxic gases and vapors

**Special protective actions for fire-fighters:**
Wear self-contained breathing apparatus and appropriate protective clothing.

**Suitable extinguishing media:**
Water spray, Carbon dioxide, Dry Chemical.

## Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**
**For non emergency personnel:** Evacuate the area.
**For emergency personnel:** Splash goggles, full suit, chemical resistant gloves. A self-contained breathing apparatus is recommended to avoid inhalation of the product. Suggested protective clothing might not be sufficient. Consult a specialist before handling this product. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

**Environmental precautions:**
Do not let product enter drains

**Methods and material for containment and cleaning up:**
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Isolate area until gas has dispersed. Absorb spillage to prevent material damage. Remove all sources of ignition.

## Section 7. Handling and storage

**Precautions in Handling:**
Do not ingest. Do not breathe vapours and mists. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

**Precautions in Storage:**
Keep container tightly closed in a cool, dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition.

## Section 8. Exposure Controls, Personal Protections

**Control parameters:**

| Component | CAS | Value | Control parameters | Basis |
|---|---|---|---|---|
| Toluene | 108-88-3 | TWA | 20 ppm | ACGIH |
| | | TWA | 50 ppm | CNESST |
| Xylene | 1330-20-7 | TWA | 434 mg/m$^3$ | CNESST |
| | | STEL | 651 mg/m$^3$ | CNESST |
| | | DIVS | 900 ppm | CNESST |
| Heptane | 142-82-5 | TWA | 400 ppm | CNESST |
| | | STEL | 500 ppm | CNESST |
| Carbon black | 1333-86-4 | TWA | 3.5 mg/m$^3$ | ACGIH |
| | | TWA | 3.5 mg/m³ | CNESST |
| Mesitylene | 108-67-8 | TWA | 123 mg/m$^3$ | CNESST |

**Engineering controls:**
Use mechanical exhaust or laboratory fumehood to avoid exposure.

**Personal protective equipment:**

**Eyes:** Wear safety glasses.

**Skin/body:** Wear a lab coat or any other appropriate protective clothing.

**Respiratory:** If ventilation is insufficient, choose appropriate respiratory protection according to levels and duration of exposure.

**Hands:** Wear chemical resistant protective gloves.

## Section 9. Physical and chemical properties

**Physical state:** Aerosol

**Color:** Black

**Odour:** Characteristic

**Melting point/Freezing point:** Data not available

**Boiling point:** Data not available

**Appearance:** Liquid, without aerosol propellants

**Flash point:** -12°C / 10.4°F Closed cup

**Auto-ignition temperature:** Data not available

**pH:** Data not available

**Solubility:** Data not available

**Density:** Data not available

## Section 10. Stability and reactivity

**Chemical reactivity:** Stable under recommended storage conditions.

**Conditions to avoid:** Heat, flames and sparks. Extremes of temperature and direct sunlight.

**Incompatible materials:** Strong oxidizing agents, acids.

**Hazardous decomposition products:** Carbon oxides

## Section 11. Toxicological information

**Acute toxicity:**

| Component | CAS | Value |
|---|---|---|
| Dimethyl ester | 115-10-6 | $CL_{50}$ Inhalation: Rat - = 164000 ppm 4h |
| Toluene | 108-88-3 | $DL_{50}$ Oral: Rat = 636 mg/kg<br>$DL_{50}$ Cutaneous: Rat = 12000 mg/kg<br>$DL_{50}$ Cutaneous: Rabbit = 12400 mg/kg<br>$CL_{50}$ Inhalation: Mouse - = 7524 ppm 4h<br>$CL_{50}$ Inhalation: Rat - = 8000 ppm 4h |
| Xylene | 1330-20-7 | $DL_{50}$ Oral: Rat = 4300 mg/kg<br>$DL_{50}$ Oral: Mouse = 2119 mg/kg<br>$DL_{50}$ Cutaneous: Rabbit > 1700 mg/kg<br>$CL_{50}$ Inhalation: Rat - = 5000 ppm 4h |
| Heptane | 142-82-5 | $CL_{50}$ Inhalation: Rat - = 103000 mg/m$^3$ 4h |
| Carbon black | 1333-86-4 | $DL_{50}$ Oral: Rat > 8000 mg/kg<br>$DL_{50}$ Cutaneous: Rabbit > 3000 mg/kg |
| Mesitylene | 108-67-8 | $DL_{50}$ Oral: Rat = 5000 mg/kg<br>$CL_{50}$ Inhalation: Rat - = 24000 mg/m$^3$ 4h |

**Skin corrosion/irritation:**
Toluene: Causes skin irritation.
Xylene: Causes skin irritation.
Isohexane: Causes skin irritation.
Heptane: Causes skin irritation.
Carbon black: Causes skin irritation.
Mesitylene: Causes skin irritation

**Serious eye damage/irritation:**
Isohexane: Causes serious eye irritation.
Carbon black: Causes eye irritation.
Mesitylene: Causes serious eye irritation

**Respiratory or skin sensitisation:**
Not applicable

**Gem cell mutagenicity:**
Not applicable

**Carcinogenicity:**
Carbon black: Suspected of causing cancer

**Reproductive toxicity:**
Toluene: Suspected of damaging fertility or the unborn child.
Xylene: Suspected of damaging fertility or the unborn child.
Isohexane: Suspected of damaging fertility or the unborn child

**STOT- Single exposure:**
Toluene: May cause drowsiness or dizziness.
Xylene: May cause irritation to respiratory tract and may cause drowsiness or dizziness.
Isohexane: May cause drowsiness or dizziness.
Heptane: May cause drowsiness or dizziness.
Mesitylene: May cause respiratory irritation

**STOT- repeated exposure:**
Toluene: May cause damage to organs through prolonged or repeated exposure cause the hazard.
Xylene: May cause damage to organs through prolonged or repeated exposure cause the hazard

**Aspiration hazard:**
Toluene: May be fatal if swallowed and enters airways.
Xylene: May be fatal if swallowed and enters airways.
Isohexane: May be fatal if swallowed and enters airways.
Heptane: May be fatal if swallowed and enters airways.
Mesitylene: May be fatal if swallowed and enters airways

**Information on likely route of exposure:**
Not applicable

## Section 12. Ecological information

**Ecological data for aquatic environments:**

| Component | CAS | Value |
|---|---|---|
| Heptane | 142-82-5 | $CL_{50}$ - Carassius auratus (red fish) 4 mg/L - 24h<br>$CE_{50}$ - Daphnia magna 1.50 mg/L - 48h |
| Carbon black | 1333-86-4 | $CL_{50}$ - Danio rerio 1000 mg/L - 96h<br>$CE_{50}$ - Daphnia magna 5600 mg/L - 24h<br>$CE_{50}$ - Desmodesmus subspicatus 10000 mg/L - 72h |
| Mesitylene | 108-67-8 | $CL_{50}$ - Carassius auratus (red fish) 12.52 mg/L - 96h |

**Persistence and degradability:**
Data not available

**Bioaccumulative potential:**
Data not available

**Mobility in soil:**
Data not available

**Other adverse effects:**
Isohexane: Toxic to aquatic life.
Heptane: Acute and chronic aquatic toxicity

## Section 13. Disposal considerations

**Waste disposal:**
Dispose of the chemical waste is in conformity with the federal, provincial and local laws. Store the residues of the product in safe containers. Place the containers in storage area of dangerous chemical waste.

## Section 14. Transportation information

| TDG | | |
|---|---|---|
| **UN #:** UN1950 | **Proper shipping name:** AEROSOLS, flammable |  |
| **Class:** 2.1 | **Packing group: N/A** | |

| DOT | | |
|---|---|---|
| **UN #:** UN1950 | **Proper shipping name:** AEROSOLS, flammable |  |
| **Class:** 2.1 | **Packing group: N/A** | |

| IMDG | | | |
|---|---|---|---|
| **UN #:** UN1950 | **Proper shipping name:** AEROSOLS, flammable | |  |
| **Class:** 2.1 | **Packing group: N/A** | **EMS-No:** | |

| IATA | | |
|---|---|---|
| **UN #:** UN1950 | **Proper shipping name:** AEROSOLS, flammable |  |
| **Class:** 2.1 | **Packing group: N/A** | |

## Section 15. Regulatory information

**NFPA Classification:**

Health: 3
Flammable: 4
Reactivity: 0
Specials conditions: 0

**Legend: 4: Severe, 3: High, 2: Moderate, 1: Slightly, 0: Not hazardous**

**General product information:**
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the safety data sheet contains all the required information.

## Section 16. Additional information

**Date of issue:**
2019-08-08

**Version:**
1.00

**Elaborated by:**
Toxyscan inc.

**Notice to reader:**
To the best of our knowledge, the information contained herein is accurate. However, neither Toxyscan inc., nor the supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Références:**


- *Répertoire toxicologique of la Commission des normes, de l'équité, de la santé et de la sécurité du travail.*
- *Registry of Toxic effects of Chemical Substances of the Canadian Centre for Occupational Health and Safety.*
- *Material safety data sheet from the manufacturer.*
- *Hazardous Products Regulations (DORS/2015-17).*
- *Canadian Transport of Dangerous Goods.*
- *Ghs (rev.7) (2017) globally harmonized system of classification and labeling of chemicals - united nations*