

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations


Printing date: 05/10/2016

Revision: 05/10/2016

1 Identification

- **Product identifier**
- **Trade name:** Spot and Gum Remover
- **Product code:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Cleaner solvent
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Bestway Products Company
333 West 700 South
Salt Lake City, Utah 84101
Toll Free: (800) 331-9299
Office: (801) 328-4818
Fax: (801) 328-9080
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Muta. 2 H341 Suspected of causing genetic defects.
Carc. 1B H350 May cause cancer.
STOT SE 3 H336 May cause drowsiness or dizziness.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**

GHS07 GHS08
- **Signal word:** Danger
- **Hazard statements:**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H336 May cause drowsiness or dizziness.

(Cont'd. on page 2)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 1)

· Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing mist, vapors, or spray.
- P264 Wash thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Components:

| | | |
|----------|--|--------|
| 79-01-6 | trichloroethylene | 60-80% |
| | <ul style="list-style-type: none"> ⚠ Muta. 2, H341; Carc. 1B, H350 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; STOT SE 3, H336 | |
| 127-18-4 | tetrachloroethylene | 20-40% |
| | <ul style="list-style-type: none"> ⚠ Carc. 2, H351 | |

· 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

· After inhalation:

Supply fresh air.
Seek immediate medical advice.
Provide oxygen treatment if affected person has difficulty breathing.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

· After eye contact:

Remove contact lenses if worn.

(Cont'd. on page 3)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 2)

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

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:

Dizziness

Coughing

Allergic reactions

Irritant to skin and mucous membranes.

Irritant to eyes.

Disorientation

· Danger:

May cause drowsiness or dizziness.

May cause cancer.

Suspected of causing genetic defects.

· Indication of any immediate medical attention and special treatment needed:

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures**· Extinguishing media****· Suitable extinguishing agents:**

The product is not flammable.

Use fire fighting measures that suit the environment.

· For safety reasons unsuitable extinguishing agents: Water stream.**· Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

· Advice for firefighters**· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures**· Personal precautions, protective equipment and emergency procedures:**

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.

Inform respective authorities in case of seepage into water course or sewage system.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable receptacles.

(Cont'd. on page 4)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 3)

· **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.

7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

- Use personal protective equipment as required.
- Prevent formation of aerosols.
- Avoid splashes or spray in enclosed areas.
- Use only in well ventilated areas.

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

- Keep respiratory protective device available.

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

· **Storage**

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

- Keep cool.
- Avoid storage near extreme heat, ignition sources or open flame.
- Store only in the original receptacle.

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

- Store away from foodstuffs.
- Do not store together with oxidizing and acidic materials.

· **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

· **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:**

79-01-6 trichloroethylene

| | |
|-------------|---|
| PEL (USA) | Long-term value: 100 ppm Ceiling limit value: 200; 300* ppm *5-min peak in any 2 hrs |
| REL (USA) | See Pocket Guide Apps. A and C |
| TLV (USA) | Short-term value: 135 mg/m ³ , 25 ppm Long-term value: 54 mg/m ³ , 10 ppm BEI |
| EL (Canada) | Short-term value: 25 ppm Long-term value: 10 ppm ACGIH A2, IARC 1 |

(Cont'd. on page 5)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 4)

| | |
|---------------|--|
| EV (Canada) | Short-term value: 25 ppm Long-term value: 10 ppm |
| LMPE (Mexico) | Short-term value: 25 ppm Long-term value: 10 ppm A2, IBE |

127-18-4 tetrachloroethylene

| | |
|---------------|---|
| PEL (USA) | Long-term value: 100 ppm Ceiling limit value: 200; 300* ppm *5-min peak in any 3 hrs |
| REL (USA) | Minimize workplace exp. concs.; Pocket Guide App. A |
| TLV (USA) | Short-term value: 685 mg/m ³ , 100 ppm Long-term value: 170 mg/m ³ , 25 ppm BEI |
| EL (Canada) | Short-term value: 100 ppm Long-term value: 25 ppm IARC 2A |
| EV (Canada) | Short-term value: 100 ppm Long-term value: 25 ppm |
| LMPE (Mexico) | Short-term value: 100 ppm Long-term value: 25 ppm A3, IBE |

Ingredients with biological limit values:

79-01-6 trichloroethylene

| | |
|-----------|--|
| BEI (USA) | 15 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Trichloroacetic acid (nonspecific) |
| | 0.5 mg/L Medium: blood Time: end of shift at end of workweek Parameter: Trichloroethanol without hydrolysis (nonspecific) |
| | - Medium: blood Time: end of shift at end of workweek Parameter: Trichloroethylene (semi-quantitative) |
| | - Medium: end-exhaled air Time: end of shift at end of workweek Parameter: Trichloroethylene (semi-quantitative) |

(Cont'd. on page 6)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 5)

127-18-4 tetrachloroethylene

| | |
|-----------|---|
| BEI (USA) | 3 ppm Medium: end-exhaled air Time: prior to shift Parameter: Tetrachloroethylene 0.5 mg/L Medium: blood Time: prior to shift Parameter: Tetrachloroethylene |
|-----------|---|

- **Exposure controls**
- **Engineering measures** Provide adequate ventilation.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 The usual precautionary measures for handling chemicals should be followed.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Store protective clothing separately.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes and skin.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**
 Suitable respiratory protective device recommended.
 NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.
- **Protection of hands:**



Protective gloves

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

- **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** Solvent resistant protective clothing
- **Limitation and supervision of exposure into the environment**
 Avoid release to the environment.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **Appearance:**

Form: Fluid

(Cont'd. on page 7)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 6)

| | |
|---|---|
| Color: | Colorless |
| · Odor: | Characteristic |
| · Odor threshold: | Not determined. |
| · pH-value: | Not determined. |
| · Melting point/Melting range: | Not determined. |
| · Boiling point/Boiling range: | 87 °C (189 °F) |
| · 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: | Not determined. |
| · Vapor pressure at 20 °C (68 °F): | 77 hPa (58 mm Hg) |
| · Density at 20 °C (68 °F): | 1.5 g/cm ³ (12.518 lbs/gal) |
| · Relative density: | Not determined. |
| · Vapor density: | Not determined. |
| · Evaporation rate: | Not determined. |
| · Solubility in / Miscibility with Water: | Not miscible or difficult to mix. |
| · 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:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:**
Toxic fumes may be released if heated above the decomposition point.
Reacts with strong acids and oxidizing agents.
Reacts with various metals.
- **Conditions to avoid:** Excessive heat.
- **Incompatible materials:** No relevant information available.

(Cont'd. on page 8)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 7)

- **Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Halogenated hydrocarbons

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

79-01-6 trichloroethylene

| | | |
|--------|------|--------------------|
| Oral | LD50 | 2402 mg/kg (mouse) |
| Dermal | LD50 | 8450 mg/kg (mouse) |

127-18-4 tetrachloroethylene

| | | |
|------|------|------------------|
| Oral | LD50 | 2629 mg/kg (rat) |
|------|------|------------------|

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

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

| | | |
|----------|---------------------|----|
| 127-18-4 | tetrachloroethylene | 2A |
| 79-01-6 | trichloroethylene | 1 |

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

| | | |
|----------|---------------------|---|
| 79-01-6 | trichloroethylene | R |
| 127-18-4 | tetrachloroethylene | R |

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

None of the ingredients are listed.

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

Ingestion.
Inhalation.
Eye contact.
Skin contact.

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

Vapors have narcotic effect.
May cause drowsiness or dizziness.
Irritating to eyes and skin.

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

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

Muta. 2, Carc. 1B

- **Germ cell mutagenicity:** Suspected of causing genetic defects.

- **Carcinogenicity:** May cause cancer.

- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

- **STOT-single exposure:** May cause drowsiness or dizziness.

- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

(Cont'd. on page 9)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

(Cont'd. of page 8)

12 Ecological information

- **Toxicity**
- **Aquatic toxicity** Toxic for aquatic organisms
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
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.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| <ul style="list-style-type: none"> · UN-Number · DOT, ADR, IMDG, IATA | <p>UN1710</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT, IATA · ADR | <p>Trichloroethylene mixture 1710 TRICHLOROETHYLENE MIXTURE, ENVIRONMENTALLY HAZARDOUS TRICHLOROETHYLENE MIXTURE, MARINE POLLUTANT</p> |
| <ul style="list-style-type: none"> · IMDG | |

(Cont'd. on page 10)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 9)

· **Transport hazard class(es)**

· **DOT**



· **Class** 6.1 Toxic substances
 · **Label** 6.1

· **ADR**



· **Class** 6.1 (T1) Toxic substances
 · **Label** 6.1

· **IMDG**



· **Class** 6.1 Toxic substances
 · **Label** 6.1

· **IATA**



· **Class** 6.1 Toxic substances
 · **Label** 6.1

· **Packing group**

· **DOT, ADR, IMDG, IATA** III

· **Environmental hazards**

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

· **Special precautions for user**

Warning: Toxic substances

· **Danger code (Kemler):**

60

· **EMS Number:**

F-A,S-A

· **Segregation groups**

Liquid halogenated hydrocarbons

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

Not applicable.

· **Transport/Additional information:**

· **DOT**

Product is additionally classified as a MARINE POLLUTANT based on MARPOL and DOT rules. Labeling as a MARINE POLLUTANT is not required for

(Cont'd. on page 11)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 10)

non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and a maximum net mass greater than 400kg (882 pounds) for a solid.

15 Regulatory information

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

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

None of the ingredients are listed.

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

All ingredients are listed.

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

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

All 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:**

79-01-6 trichloroethylene

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

79-01-6 trichloroethylene

· **Carcinogenic categories**

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

| | | |
|----------|---------------------|-----|
| 79-01-6 | trichloroethylene | CaH |
| 127-18-4 | tetrachloroethylene | L |

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

| | | |
|----------|---------------------|----|
| 79-01-6 | trichloroethylene | 1 |
| 127-18-4 | tetrachloroethylene | 2A |

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

All ingredients are listed.

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

(Cont'd. on page 12)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 05/10/2016

Revision: 05/10/2016

Trade name: Spot and Gum Remover

(Cont'd. of page 11)

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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** 05/10/2016 / -

· **Abbreviations and acronyms:**

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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B

Muta. 2: Germ cell mutagenicity, Hazard Category 2

Carc. 1B: Carcinogenicity, Hazard Category 1B

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor_internet/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: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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