

## Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

### 1 Identification

- **Product identifier**
- **Trade name:** Rainbow PIC Restoration Spray
- **Article number:** 4064
- **Recommended use and restriction on use**
- **Recommended use:** Sealant
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Rainbow Technology Corp  
261 Cahaba Valley Pkwy  
Pelham, AL 35124
  
- Toll Free: 1.800.637.6047  
Local: 1.205.733.0333
- **Emergency telephone number:**  
ChemTel Inc.  
+1 (800)255-3924, +1 (813)248-0585

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 GHS04 Flame, Gas cylinder

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.



GHS08 Health hazard

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Additional information:**

There are no other hazards not otherwise classified that have been identified.  
0 % of the mixture consists of component(s) of unknown toxicity.

(Cont'd. on page 2)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 1)

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS02 GHS04 GHS07 GHS08

- **Signal word: Danger**

- **Hazard-determining components of labeling:**

Stoddard solvent

Phenol-Formaldehyde Polymers

- **Hazard statements:**

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

- **Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P251 Do not pierce or burn, even after use.

P260 Do not breathe mist/vapors/spray.

P211 Do not spray on an open flame or other ignition source.

P264 Wash thoroughly after handling.

P280 Wear protective gloves and eye protection.

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

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.

P363 Wash contaminated clothing before reuse.

P314 Get medical advice/attention if you feel unwell.

P331 Do NOT induce vomiting.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P403 Store in a well-ventilated place.

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

- **Classification system**

- **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 2

Reactivity = 1

(Cont'd. on page 3)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 2)

**· HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = *2
FIRE	2	Fire = 2
REACTIVITY	1	Reactivity = 1

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

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

**· Dangerous components:**

8052-41-3	Stoddard solvent ⚠ Flam. Liq. 3, H226 ⚠ STOT RE 1, H372; Asp. Tox. 1, H304	25-50%
9003-35-4	Phenol-Formaldehyde Polymers ⚠ Eye Irrit. 2A, H319; Skin Sens. 1A, H317	10-25%
75-28-5	isobutane ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280	10-25%
74-98-6	propane ⚠ Flam. Gas 1, H220 ⚠ Press. Gas, H280	10-25%
67-63-0	propan-2-ol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	2,5-10%
628-63-7	pentyl acetate ⚠ Flam. Liq. 3, H226	2,5-10%

**· Additional information:**

For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
 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:**  
 Supply fresh air; consult doctor in case of complaints.  
 Provide oxygen treatment if affected person has difficulty breathing.  
 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:**  
 Immediately remove any clothing soiled by the product.

(Cont'd. on page 4)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 3)

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.

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

· **After swallowing:**

Unlikely route of exposure.

A person vomiting while lying on their back should be turned onto their side.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

· **Information for doctor**

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

Headache

Breathing difficulty

Coughing

Dizziness

Allergic reactions

Irritant to eyes.

Frostbite

Unconsciousness

· **Danger:**

Danger of impaired breathing.

Causes damage to the central nervous system through prolonged or repeated exposure.

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

If swallowed or in case of vomiting, danger of entering the lungs.

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

Later observation for pneumonia and pulmonary edema.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Contains Phenol-Formaldehyde Polymers. May produce an allergic reaction.

Treat frost-bitten areas appropriately.

## 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

Alcohol resistant foam

Water fog / haze

Carbon dioxide

Fire-extinguishing powder

· **For safety reasons unsuitable extinguishing agents:** Water stream.

· **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

Danger of receptacles bursting because of high vapor pressure if heated.

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

(Cont'd. on page 5)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 4)

· **Additional information:**

- Eliminate all ignition sources if safe to do so.
- Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
- Cool endangered receptacles with water fog.

## 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.
- Keep away from ignition sources.
- Protect from heat.
- Particular danger of slipping on leaked/spilled product.

· **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.
- Prevent from spreading (e.g. by damming-in or oil barriers).

· **Methods and material for containment and cleaning up:**

- Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
- Remove from the water surface (e.g. skim or suck off).
- Dispose contaminated material as waste according to item 13.
- 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.

## 7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

- Avoid splashes or spray in enclosed areas.
- Use only in well ventilated areas.
- Keep away from heat and direct sunlight.

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

- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.
- Do not spray on a naked flame or any incandescent material.

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

· **Storage**

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

- Observe official regulations on storing packagings with pressurized containers.
- Provide ventilation for receptacles.
- Avoid storage near extreme heat, ignition sources or open flame.

(Cont'd. on page 6)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 5)

- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidizing agents.
- **Further information about storage conditions:**  
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
- **Specific end use(s):** No relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

### Components with limit values that require monitoring at the workplace:

#### 8052-41-3 Stoddard solvent

PEL (USA)	Long-term value: 2900 mg/m <sup>3</sup> , 500 ppm
REL (USA)	Long-term value: 350 mg/m <sup>3</sup> Ceiling limit value: 1800* mg/m <sup>3</sup> *15-min
TLV (USA)	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
EL (Canada)	Short-term value: 580 mg/m <sup>3</sup> Long-term value: 290 mg/m <sup>3</sup>
EV (Canada)	Long-term value: 525 mg/m <sup>3</sup>
LMPE (Mexico)	Long-term value: 100 ppm

#### 75-28-5 isobutane

TLV (USA)	Short-term value: 2370 mg/m <sup>3</sup> , 1000 ppm
EV (Canada)	Long-term value: 800 ppm
LMPE (Mexico)	Long-term value: 1000 ppm

#### 74-98-6 propane

PEL (USA)	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm
TLV (USA)	refer to Appendix F in TLVs and BEIs book
EL (Canada)	Long-term value: 1000 ppm
EV (Canada)	Long-term value: 1,000 ppm
LMPE (Mexico)	Long-term value: 1000 ppm

#### 67-63-0 propan-2-ol

PEL (USA)	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL (USA)	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV (USA)	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm Long-term value: 492 mg/m <sup>3</sup> , 200 ppm BEI

(Cont'd. on page 7)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 6)

EL (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
EV (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
LMPE (Mexico)	Short-term value: 400 ppm Long-term value: 200 ppm A4, IBE

**628-63-7 pentyl acetate**

PEL (USA)	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
REL (USA)	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	Short-term value: 532 mg/m <sup>3</sup> , 100 ppm Long-term value: 266 mg/m <sup>3</sup> , 50 ppm
EL (Canada)	Short-term value: 100 ppm Long-term value: 50 ppm
EV (Canada)	Short-term value: 100 ppm Long-term value: 50 ppm
LMPE (Mexico)	Short-term value: 100 ppm Long-term value: 50 ppm

**Ingredients with biological limit values:**
**67-63-0 propan-2-ol**

BEI (USA)	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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**Exposure controls**
**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.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

**Engineering controls:** No relevant information available.

**Breathing equipment:**

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

**Protection of hands:**


Protective gloves

Gloves are advised for repeated or prolonged contact.

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

(Cont'd. on page 8)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 7)

· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment** No relevant information available.

## 9 Physical and chemical properties

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

· **General information**

· **Appearance:**

· <b>Form:</b>	Aerosol
· <b>Color:</b>	Not determined.
· <b>Odor:</b>	Petroleum-like
· <b>Odor threshold:</b>	Not determined.

· **pH-value:** Not determined.

· **Change in condition:**

· <b>Melting point/Melting range:</b>	Not applicable, as aerosol.
· <b>Boiling point/Boiling range:</b>	Not applicable, as aerosol.

· **Flash point:** Extremely flammable aerosol.

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

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

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.

· **Oxidizing properties:** Not determined.

· **Vapor pressure:** Not determined.

· **Density at 20 °C (68 °F):** 0.8 g/cm<sup>3</sup> (6.676 lbs/gal)

· **Relative density:** Not determined.

· **Vapor density:** Not determined.

· **Evaporation rate:** Not applicable.

· **Solubility in / Miscibility with:**

· **Water:** Not miscible or difficult to mix.

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

(Cont'd. on page 9)



# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 8)

- **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:**  
Keep away from heat and direct sunlight.  
Danger of receptacles bursting because of high vapor pressure if heated.
- **Possibility of hazardous reactions:**  
Toxic fumes may be released if heated above the decomposition point.  
Reacts violently with oxidizing agents.  
Reacts with strong acids and alkali.  
Develops readily flammable gases / fumes.  
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.  
Extremely flammable aerosol.
- **Conditions to avoid:**  
Keep ignition sources away - Do not smoke.  
Store away from oxidizing agents.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Hydrocarbons  
Small quantities of formaldehyde may be formed.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Slight irritant effect on skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Sensitization:** Contains Phenol-Formaldehyde Polymers. May produce an allergic reaction.
- **Additional toxicological information:** Toxic and/or corrosive effects may be delayed up to 24 hours.
- **Carcinogenic categories**

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

67-63-0 | propan-2-ol

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

None of the ingredients are listed.

(Cont'd. on page 10)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 9)

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

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Inhalation.  
Eye contact.  
Skin contact.

· **Repeated dose toxicity:** Repeated exposures may result in skin and/or respiratory sensitivity.

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

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

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

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

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

· **STOT-repeated exposure:**

Causes damage to the central nervous system through prolonged or repeated exposure.

· **Aspiration hazard:** May be fatal if swallowed and enters airways.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No relevant information available.

· **Persistence and degradability:** The product is partially biodegradable. Significant residuals remain.

· **Behavior in environmental systems**

· **Bioaccumulative potential:** No relevant information available.

· **Mobility in soil:** No relevant information available.

· **Ecotoxicological effects:**

· **Remark:**

Due to mechanical actions of the product (e.g. agglutinations) damages may occur.

The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.

· **Additional ecological information**

· **General notes:** Avoid release to the environment.

· **Other adverse effects:** No relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Contact waste processors for recycling information.

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.

(Cont'd. on page 11)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

<b>Trade name: Rainbow PIC Restoration Spray</b>
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(Cont'd. of page 10)

## 14 Transport information

· UN-Number

· DOT, ADR, IMDG, IATA

UN1950

· UN proper shipping name



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).

· DOT

Aerosols

· ADR

1950 AEROSOLS

· IMDG

AEROSOLS

· IATA

Aerosols, flammable

· Transport hazard class(es)

· DOT



· Class

2 Gases

· Label

2.1

· ADR



· Class

2 5F Gases

· Label

2.1

· IMDG, IATA



· Class

2 Gases

· Label

2.1

· Packing group

Aerosols are not assigned a packing group.

· Environmental hazards

Not applicable.

· Special precautions for user

Warning: Gases

· Danger code (Kemler):

-

· EMS Number:

F-D,S-U

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

Not applicable.

(Cont'd. on page 12)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

<b>Trade name: Rainbow PIC Restoration Spray</b>
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(Cont'd. of page 11)

<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> </ul>
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<ul style="list-style-type: none"> <li>· <b>DOT</b></li> </ul>
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<ul style="list-style-type: none"> <li>· <b>Quantity limitations</b></li> </ul>
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<ul style="list-style-type: none"> <li>On passenger aircraft/rail: 75 kg</li> <li>On cargo aircraft only: 150 kg</li> </ul>
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<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation"</b></li> </ul>
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<ul style="list-style-type: none"> <li>UN 1950 AEROSOLS, 2.1</li> </ul>
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## 15 Regulatory information

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

<ul style="list-style-type: none"> <li>· <b>Section 302 (extremely hazardous substances):</b></li> </ul>
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None of the ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>Section 304 (emergency release notification):</b></li> </ul>
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None of the ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>Sections 311/312 (hazardous chemical threshold planning quantity in pounds):</b></li> </ul>
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None of the ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>Section 355 (extremely hazardous substances):</b></li> </ul>
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None of the ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>Section 313 (Specific toxic chemical listings):</b></li> </ul>
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67-63-0   propan-2-ol
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<ul style="list-style-type: none"> <li>· <b>TSCA (Toxic Substances Control Act)</b></li> </ul>
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All ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>Proposition 65 (California)</b></li> </ul>
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<ul style="list-style-type: none"> <li>· <b>Chemicals known to cause cancer:</b></li> </ul>
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None of the ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>Chemicals known to cause reproductive toxicity for females:</b></li> </ul>
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None of the ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>Chemicals known to cause reproductive toxicity for males:</b></li> </ul>
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None of the ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>Chemicals known to cause developmental toxicity:</b></li> </ul>
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None of the ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>Carcinogenic categories</b></li> </ul>
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<ul style="list-style-type: none"> <li>· <b>EPA (Environmental Protection Agency):</b></li> </ul>
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None of the ingredients are listed.
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<ul style="list-style-type: none"> <li>· <b>IARC (International Agency for Research on Cancer):</b></li> </ul>
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67-63-0   propan-2-ol
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3
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(Cont'd. on page 13)

# Safety Data Sheet (SDS)

Printing date 10/27/2015

Reviewed on 10/27/2015

**Trade name: Rainbow PIC Restoration Spray**

(Cont'd. of page 12)

· **TLV (Threshold Limit Value established by ACGIH):**

67-63-0 | propan-2-ol

A4

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

None of the ingredients are listed.

· **Canadian substance listings**

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

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 1%):**

8052-41-3 | Stoddard solvent

67-63-0 | propan-2-ol

628-63-7 | pentyl acetate

## 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** 10/27/2015 / -

· **Abbreviations and acronyms:**

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas: Gases under pressure: Compressed gas

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

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

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

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

· **Sources**

Website, European Chemicals Agency ([http://http://echa.europa.eu/](http://echa.europa.eu/))Website, US EPA Substance Registry Services ([http://http://ofmpub.epa.gov/sor\\_internet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do))Website, Chemical Abstracts Registry, American Chemical Society (<https://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