Refinish Restorer Application Tips

Thank you for purchasing the best car care product to bring that “like new” finish back to your cladding, textured plastics, and other plastic surfaces from The Right Car Stuff.

First, here are some instructions on how to open the Refinish Restorer can:

1. Unscrew the large red cap.
2. Pull and remove the stopper sealing the can which will release and pressure or vacuum inside.
3. Reinstall the large red cap turning clockwise until you hear several clicks which will reseal the can.
4. After reinstalling and turning the red cap clockwise until you hear several clicks indicating that the can is now sealed, pull the outside wings on the red cap up and gently but firmly pull the neck until it is fully extended upwards. Be careful not to tear the neck. It is durable, but not unbreakable.
5. Slowly open the can to relieve any vacuum that may have formed when extending the neck.

Next, here are some tips to help as you apply Refinish Restorer (RR):

- Never apply in direct sunlight or to a hot surface. Always apply in a shaded location. Temperatures under 80 degrees and above 45 degrees are preferred. The lower the humidity the better.
- Thoroughly clean and dry the surface you will be applying to. Any wax residue from automatic car washes, road grime, or other residue will cause RR not to adhere properly to the surface. Use a cleaner (Simple Green, Dawn, etc.) mixed with water or a spray on cleaner such as Goof Off to clean the surface prior to applying.
- Always use a lint free cloth to apply. Microfiber works very well. Foam brushes like those used to apply varnish also work well.
- Protect painted and rubber surfaces if appropriate. Expert tip: Use the cardboard from a cereal box which is thin enough to be inserted under the edge of most cladding to act as a shield as you work. Other tapes like blue painters tape also work well. RR will not harm paint, but it will remove the wax. Also, tape off any seals such as those on bed panels to avoid contact with the rubber.
- A little bit goes a long way. No need to drench your surface, but be sure to cover it thoroughly. Apply RR similar to the way you would apply a wood stain, just wipe it on and let it sit. No need to wipe it off, unless you have truly drenched the surface.
- Reapply in a second coat if needed to achieve that "like new" appearance.
- Sit back and enjoy!
REFinish Restorer is a natural oil based product that restores the original colour and shine to almost any plastic or varnished surface. Refinish Restorer achieves this through deep penetration into the micro pores of the surfaces sealing them and filling the internal capillaries, leaving a rejuvenated surface when dry.

AREA OF APPLICATION

Refinish Restorer provides long lasting protection for plastics, gelcoats, lacquers, chrome Stainless-steel, aluminium (anodised), brass and copper. Over time almost all plastic and varnished surfaces fade and take on a mat finish. This is due to attack from UV light, exposure to weathering, environmental contamination etc. Only when wet do they appear to be new. Refinish Restorer penetrates deeply into the micro pores of the surfaces and seals them, when dry. It restores the mat surface to the original colour. Refinish Restorer is only for external use. Do not use it on rubber. Refinish Restorer may discolour white surfaces due to its inherently yellowish colour, carry out a test on a non visible part of the surface beforehand.

PRODUCT DATA

<table>
<thead>
<tr>
<th>MATERIAL DATA</th>
<th>Specific gravity</th>
<th>0.85 g/cm³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>V.O.C</td>
<td>620 g/l</td>
</tr>
<tr>
<td></td>
<td>Shelf life</td>
<td>At least 3 years</td>
</tr>
<tr>
<td></td>
<td>Consumption</td>
<td>Approx. 10 to 20 m²/l</td>
</tr>
</tbody>
</table>
APPLICATION

1. Surfaces to be sealed need to be clean and free of oil and grease. Any yellowing or staining on gelcoat and other plastic surfaces needs to be removed with a cleaner. The surface should be thoroughly rinsed with water. Metallic surfaces should be thoroughly degreased. Application on white surfaces can result in a slight colour change.

2. After initial treatment the surface should be thoroughly dried before the Refinish Restorer is applied.

3. Refinish Restorer cannot be applied onto very warm surfaces or in direct sunlight.

4. Refinish Restorer is applied evenly, using a soft flat brush or a lint free cloth, until the pores are filled.

5. Refinish Restorer should take effect 5 to 10 minutes after application. Any liquid Refinish Restorer can be brushed over a more porous area.

6. After a maximum of 10 minutes any excess oil should be removed with an absorbent lint free cloth or a soft pad, otherwise it can only be removed with a suitable stain remover. Liquid Refinish Restorer can be removed using a turpentine substitute.

7. If necessary repeat steps 4 to 6.

8. When a high degree of shine is required, the surfaces treated with Refinish Restorer can be polished with a non abrasive wax.

9. Metallic surfaces are not very porous and must therefore treated with a very fine wire wool soaked in Refinish Restorer. Excess oil must be removed after about 15 minutes. The surface can be then be polished with a lint free cloth for a greater shine.

Cleaning Tools: Use turpentine substitute

SAFETY

The before mentioned technical data and information, especially the recommendations for applying and using our products, are based on our current knowledge and experience when applied under normal conditions. In practice, the materials, surfaces or site conditions are so different that no warranty regarding the working results or liability, arising out of any relationship, can be inferred neither from this information nor from a verbal consultation, except we are charged with intent or gross negligence. In this case the user is obliged to prove that he has informed us about all points required for a proper and promising judgment in writing, in time and completely. Patent rights of any third party are to be observed. Furthermore, our general sales and delivery Terms and Conditions and the latest Technical Data Sheet, which should be demanded, apply.

Directions for handling and waste disposal are in our Security Safety Data Sheet and the specifications of the Employers Liability Insurance Association for the chemical industry.

Copyright VOSSCHEMIE
Section 1: PRODUCT INFORMATION

Product name: Refinish Restorer
Manufacturer: CarWorx Distribution Inc.
165, Graveline
St-Laurent, Quebec
H4T 1R3

Manufacturer emergency phone number: Canutec 613-996-6666
Supplier: Same as manufacturer
Chemical family: Mixture
Product uses: Gloss restorer
TDG classification: Not regulated
WHMIS classification: B3, D2A, D2B

DSL status: The substance(s) listed in section 2 appear on the Domestic Substances List
Revision details: All sections of the M.S.D.S. were revised
Supplier MSDS date: 2010/09/28
Information phone number: 514-745-5959 (1-877-745-5959)

Section 2: HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>C.A.S. Number</th>
<th>Concentration %</th>
<th>Ingredient Name</th>
<th>T.L.V.</th>
<th>LD/50</th>
<th>LC/50</th>
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<tbody>
<tr>
<td>64742-48-9</td>
<td>0-2.5</td>
<td>NAPHTHA (PETROLEUM), HYDROTREATED HEAVY</td>
<td>NOT AVAILABLE</td>
<td>&gt; 6000 MG/KG RAT ORAL</td>
<td>NOT AVAILABLE</td>
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<tr>
<td>64742-82-1</td>
<td>50-100</td>
<td>HYDROCARBONS, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2025%)</td>
<td>NOT AVAILABLE</td>
<td>NOT AVAILABLE</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>87947-13-5</td>
<td>0-2.5</td>
<td>COBALT COMPOUNDS</td>
<td>NOT AVAILABLE</td>
<td>NOT AVAILABLE</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

Section 3: PHYSICAL DATA

Physical state: Liquid
**Appearance & odor:** Amber

**Odor threshold (ppm):** Not available

**pH:** Not available

**Specific gravity @ 20 °C:** Not available

**Boiling point (°C):** 200°C

**Vapour pressure (mmHg):** Not available

**Vapour density (air=1):** Not available

**Freezing point (°C):** Not available

**Evaporation rate (butyl acetate = 1):** Not available

**By volume:** Not available

**Solubility in water (%):** Insoluble

**Coefficient of water\oil dist.:** Not available

**VOC:** < 68%

**576 g/l**

**Viscosity:** 38 +/-3 (N3-ISO2431)

**Density:** < 1

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**Section 4: FIRE & EXPLOSION DATA**

**Flammability:** Combustible

**Conditions of flammability:** Vapours are heavier than air and may travel along the ground and be ignited by flames, sparks or other ignition sources at locations distant from the material handling point

Exposure to an ignition source

Heat, sparks and open flames

**Extinguishing media:** Foam

Carbon dioxide

Water spray

Do not use direct water jet

ABC powder

**Special procedures:** Firefighters should wear the usual protective gear

Wear a self contained breathing apparatus

**Flash point (°C), method:** 61

**Auto-ignition temperature (°C):** Not available

**Upper flammability limit (% vol):** Not available

**Lower flammability limit (% vol):** Not available

**Hazardous combustion products:** Oxides of carbon (CO, CO2)

Thick black smoke

**Sensitivity to static discharge:** Not available

**Sensitivity to mechanical impact:** Not available

**Rate of burning:** Not available

**Explosive power:** Not available

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**Section 5: REACTIVITY DATA**

**Chemical stability:** Stable under normal conditions

**Conditions of instability:** Humidity
Hazardous polymerization: Exothermic

Incompatible substances:
- Strong acids
- Water
- Alkalines
- Corrosive agents

Hazardous decomposition products:
- Fumes
- Nitrogen oxides
- Carbon oxides

### Section 6: TOXICOLOGICAL PROPERTIES

**Route of entry:** Eye contact, skin contact, skin absorption, inhalation and ingestion

**Eye contact:**
- May cause irritation
- May cause reversible damage

**Skin contact:**
- Irritant
- May cause allergic reaction
- May cause sensitization
- Repeated or prolonged contact with the solvents may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin
- Repeated exposure may cause skin dryness or cracking

**Inhalation:**
- May affect the central nervous system
- May cause loss of consciousness
- May cause headache and dizziness
- May cause irritation of the mucous membranes
- May cause liver and kidney effects
- May cause muscular weakness
- May irritate respiratory tract
- May cause fatigue
- May cause numbness

**Ingestion:**
- Harmful or fatal if swallowed
- May cause lung damage

**Effects of chronic exposure:**
Not available

**LD50 of product, species & route:**
Not available for mixture, see the ingredients section

**LC50 of product, species & route:**
Not available

**Exposure limit of material:**
Not available

**Sensitization to product:**
May cause sensitization

**Carcinogenic effects:**
Cobalt & cobalt compounds are listed as Group 2B by IARC

**Reproductive effects:**
Not available

**Teratogenicity:**
Not available

**Mutagenicity:**
None known

**Synergistic materials:**
Not available

### Section 7: PREVENTATIVE MEASURES

**Gloves/Type:**
PVC gloves
Nitrile rubber gloves
Impervious gloves

**Respiratory/Type:**
Wear a NIOSH approved organic vapour respirator, if ventilation is inadequate

**Eye/Type:**
Splash proof chemical goggles

**Footwear/Type:**
Safety shoes per local regulations

**Clothing/Type:**
As required to prevent skin contact
Chemical resistant clothing

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http://apps.netmsds.com/cgi-bin/cpyweb?CMNU=&RND=98733&PNO=27&LANG... 9/19/2013
Other/Type: Eye wash facility should be in close proximity
Emergency shower should be in close proximity

Ventilation requirements: Ventilate adequately
To maintain exposure below TLV

Leak/Spill: Contain the spill
Eliminate all sources of ignition
Evacuate all non-essential personnel
Prevent entry into drains, sewers, and other waterways
Use a non-combustible absorbent material
Ventilate area
Wear appropriate protective equipment
Place in appropriate container
Clean spill area with detergent solution
Avoid use of solvents

Waste disposal: In accordance with municipal, provincial and federal regulations
Recycle waste where applicable

Handling procedures and equipment: Handle and open container with care
Keep away from heat, sparks, and open flame
Avoid breathing vapors/mists
Use adequate ventilation
Wash thoroughly after using, particularly before eating or smoking
Wear personal protective equipment appropriate to task
Wash clothing before re-use
Keep out of reach of unauthorized personnel
Refer to container labels
Avoid eating and drinking while in use
Empty containers containing residue may cause a hazard
Keep out of reach of children
Avoid contact with skin, eyes and clothing
Do not smoke in handling or storage area
For industrial use only
Thoroughly clean contaminated shoes
Do not transfer to other containers

Storage requirements: Store away from combustible materials
Store in a dry and well ventilated area
Store away from incompatible materials
Keep away from ignition sources
Keep containers tightly closed
Store between 5 and 30°C
Store away from food, drink and animal feed
Keep in container made of the same material as the supply container
Do not store in plastic containers
The floor must be impermeable and form a collecting basin so that liquid will not spread beyond the area in the case of an accidental spillage
Containers that have been opened must be carefully resealed and kept upright to prevent leakage

Special shipping information: See transportation information

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Section 8: FIRST AID MEASURES

Skin contact: Remove contaminated clothing and shoes
Wash with mild soap and water
Seek medical attention if irritation persists
(skin cleanser may be used)

Eye contact: Immediately flush with large amounts of water for at least 15 minutes,
lifting upper and lower lids
Seek medical attention if irritation persists

Inhalation: Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention

Ingestion: Do not induce vomiting
Never give anything by mouth to an unconscious person
Seek medical attention immediately and show the MSDS or label
If the quantity is small (no more than one mouthful), rinse mouth with water and consult a doctor.

**Additional information:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

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**Section 9: ADDITIONAL INFORMATION**

**General note:** This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

**Issued by:** Environment, health and safety

**Data prepared by:** Conform-Action Data Systems
A division of 2843471 Canada Inc.
1840 Transcanada, suite 101
Dorval, QC H9P 1H7
Tel: (514) 683-2060 Fax: (514) 683-1445
24 hr. 1-866-628-7522 support@netmsds.com