

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade Name: **UNDERBODY RP**
 Product Type: Rust Inhibitor

1.2 Recommended Use: Commercial Car Wash

1.3 Details of the supplier of the safety data sheet

Company: Quest Car Care Products®
 3333 Production Ct.
 Zeeland, MI. 49464
 Phone: 1-616-772-5100
 Fax: 1-616-931-3173



1.4 Emergency Information

Contact Info: CHEMTREC: 1-800-424-9300 (24 HOUR RESPONSE)

2 Hazards Identification

2.1 Classification of the substance or mixture

Skin Irritation: Category 2 STOT: Single Exposure Category 3
 Eye Irritation: Category 2 Chronic/Acute Aquatic Toxicity: Category 2
 Acute Toxicity, Oral: Category 4

2.2 Label Elements

Symbol(s)



Signal Word: **WARNING**
 Hazard Statements: Harmful if swallowed.
 Causes skin and eye irritation.
 Causes serious eye irritation
 May cause damage to organs if swallowed.
 Toxic to aquatic life with lasting effect.
 Precautionary Statements: Do not get in eyes.
 Wash off hands with soap and water after contact.
 Wear protective gloves and eye protection.
 Do not eat, drink or smoke when handling.
 Avoid release to the environment.
 IF SWALLOWED: Immediately call a POISON CENTER / doctor. Rinse the mouth with water.
 IF ON SKIN: Rinse area with water for several minutes.
 IF IN EYES: Rinse cautiously with water, remove contact lens if any. Continue rinsing.
 If eye irritation persists. Get medical attention or advice.
 Storage: Keep from freezing. Keep lids closed. Keep cool and out of direct sunlight.
 Disposal: Dispose of in accordance to local, state and federal regulations.
HMIS-ratings (scale 0-4) Definitions: 0-least, 1-slight, 2-Moderate, 3-High, 4-Extreme

| | |
|-------------------|---|
| HEALTH | 2 |
| FIRE | 0 |
| REACTIVITY | 0 |
| Protection | B |

3 Composition/Information on Ingredients

3.1 Substances

| Component (Ingredient): | CAS # | % by weight (optional) |
|-------------------------|-------------|------------------------|
| Water | 7732-18-5 | |
| Sodium Nitrite | Proprietary | 5 to 15 |
| Tetra Sodium EDTA | 111-76-2 | 1 to 5 |
| Amphoteric Surfactant | Proprietary | 1 to 5 |

Chemical characterization: Mixture of the above ingredients to form a single uniform solution.

4 First aid measures

4.1 Description of first aid measures

General Info: Remove any clothing soiled by this product and wash before re-using.
 Inhalation: Ensure supply of fresh air.
 Eye Contact: Rinse cautiously with water for a few minutes. Remove contact lenses if any then continue flushing.
 Skin contact: Remove all contaminated clothing immediately. Rinse area for several minutes with water.
 Ingestion: Give 2-3 glasses of water and induce vomiting if can be done safely. Seek medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

Note to doctor: Sodium Nitrite forms methemoglobin in the blood stream. Treat accordingly.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable for use: foam, carbon dioxide, dry powder, water spray
 Not suitable for use: water jet is not recommended.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for fire-fighters

This product will not burn. Treat area as for surrounding fire. Wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.

6.2 Environmental precautions:

Do not allow to enter storm drains or waterways.
 Do not purposely discharge into the subsoil/soil.

6.3 Methods and material for containment and clean up:

Take up with absorbent material (universal binder, diatomaceous earth). For large spills dike area then scoop or pump product into plastic containers for disposal. Small amounts of this product can be rinsed with large amounts of water into a sanitary sewer system. Do not allow contact with acids during clean up.

7 Handling & Storage

7.1 Precautions for safe handling

Advice on safe handling: No special measures are necessary if stored and handled as prescribed.
 Handling: No data available
 Hygiene measures: Do not eat or drink when using this product. Wash hands after using. Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin.
 General measures: Avoid contact with eyes and skin.

7.2 Conditions for safe storage, including any incompatibilities

Prevention of fire and explosion

Information: No special measures required.

Storage

Information: Store with lids tightly sealed. Keep at room temperature, out of direct sunlight.
 Best if used within 2 years of manufacturer date.

8 Exposure Controls/Personal Protection

8.1 Control parameters:

Components with limit values that require monitoring at the work place:

| Component | CAS-No. | Statutory basis/list | Value type | Value |
|-----------|---------|----------------------|------------|-------|
| None | | | | |

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- 8.2 **Exposure controls** (continued from page 2)
Engineering controls
 Appropriate controls: Good general ventilation should be sufficient to control airborne levels.
Personal protective equipment
 Eye Protection: Use chemical resistant goggles or safety glasses with side shields.
 Hand Protection: Rubber gloves
 Body Protection: None required, but chemical resistant apron is suggested to protect clothing.
 Respiratory Protection: None required

9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | | | |
|--------------------------|----------------|---|-----------------------------|
| <u>Product State:</u> | Liquid | <u>Auto Igniting:</u> | Product is not selfigniting |
| <u>Color:</u> | Yellow Green | <u>Vapor Density:</u> | Not Determined |
| <u>Odor:</u> | Detergent Like | <u>Vapor Pressure:</u> | Not Determined |
| <u>pH:</u> | 12.0-12.8 | <u>Evaporation Rate:</u> | Not Determined |
| <u>Boiling Point:</u> | >212°F | <u>Viscosity:</u> | Not Determined |
| <u>Freeze Point:</u> | <32°F | <u>Decomposition Temp:</u> | Not Determined |
| <u>VOC's % by wgt:</u> | 0 | <u>Partition Coefficient</u> (n-octanol/water) | Not Determined |
| <u>Phosphorous %:</u> | None | <u>Flash Point °F:</u> | None |
| <u>Specific Gravity:</u> | 1.04-1.08 | | |
| <u>Solubility:</u> | Soluble | | |

10 Stability and Reactivity

- 10.1 **Reactivity:** Product is not reactive.
 10.2 **Chemical Stability:** Stable under normal conditions.
 10.3 **Possibility of hazardous reactions** Under proper storage and handling no reactions are possible.
 10.4 **Conditions to avoid:** Do not mix with acids. N2O3 can be created and be potentially fatal.
 10.5 **Incompatible materials:** acids, triethanolamines, ammonium salts, thiosulfites, oleum.
 10.6 **Hazardous decomposition products:** None with proper storage and handling.

11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity of known ingredients:

Sodium Nitrite

Oral: LD50 (rat): 1276 mg/kg

Acute Effects of this mixture:

Skin: Prolonged or repeated contact with strong forms may remove natural oils leading to dryness or rash.
 Eye: Produces rapid serious eye irritation.
 Ingestion: Large amounts could be poisonous. Harmful to mucous membranes, mouth, throat and stomach.
 Inhalation: Concentrated mists may cause discomfort, cough or dizziness.
 Carcinogens: IARC: Group 2A - probably carcinogenic to humans (nitrites).

*No other toxicological data is available on this mixture.

12 Ecological Information

12.1-12.6 **No ecological information is available nor has been performed on these sections.**

General Notes:

Do not allow large quantities of undiluted product enter the ground, waterways or waste water canals.
 High levels of surfactants and increased pH levels are harmful to aquatic life.

13 Disposal Considerations

13.1

Waste treatment methods**Product:**

Follow local regulations for proper disposal and reporting of spills.

Contaminated packaging:

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards. Original labels must not be removed, lids closed and provide person collecting the container(s) with an SDS.

14 Transport Information

| | | |
|------|--------------------------------------|------|
| 14.1 | UN number: | None |
| 14.2 | UN proper shipping name: | None |
| 14.3 | Transport hazard class(es): | None |
| 14.4 | Packing group: | None |
| 14.5 | Environmental hazards: | None |
| 14.6 | Special precautions for user: | none |

15 Regulatory Information**Proposition 65 (Chemicals known to cause cancer)**

None

Section 313 (specific toxic chemical listings)

Sodium Nitrite

Section 312 (Clean Water Act)

Sodium Nitrite: Reportable Quantity: 100 lb

TSCA (Toxic Substances Control Act)

All ingredients are listed, registered or exempted.

16 Other Information**DISCLAIMER:**

Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Since conditions of use are beyond our control we make warranties, expressed or implied. If anything is added to this product the information presented here may be altered and could make this SDS invalid. This SDS shall not establish a legally valid contractual relationship.

LEGEND:

ACGIH: American Conference of Governmental Industrial Hygienists / CAS:Chemical Abstracts Services

CHEMTREC:Chemical Transportation Emergency Center / DOT:Department of Transportation

EHS:Extremely Hazardous Substances / EPA: Environmental Protection Agency

HMIS: Hazardous Materials Identification System / IARC:International Agency for Research on Cancer

LEL/UEL:Lower and Upper Explosive Limit / mg/m3:Milligrams per cubic meter / LD50:Lethal Dose 50%

NIOSH:National Institute of Occupational Health & Safety / NFPA:National Fire Protection Association

NTP:National Toxicology Program / OSHA:Occupational Safety & Health Administration

PEL:Permissible Exposure Limit / PPE:Personal Protective Equipment /

SARA:Super fund Amendments and Reauthorization Act / SDS:Safety Data Sheet / TLV:Threshold Limit Value

TWA:Time Weighted Average / TSCA:US Toxic Substance Control Act