



## I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2496

PRODUCT NAME: R41 STAINLESS STEEL CLEANER

USE: Stainless Steel Polish

## SUPPLIER:

JohnsonDiversey Canada, Inc.  
2401 Bristol Circle  
Oakville Ontario, L6H 6P1, Canada

## EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: B3 D2B

CHEMICAL FAMILY: Solvent/oil

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

## II - HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENT  | % w/w | CAS #       | LD50 / LC50   | Route / Species |
|-----------------------|-------|-------------|---------------|-----------------|
| Mineral oil           | 40-70 | 064742-55-8 | not available |                 |
| Petroleum hydrocarbon | 15-40 | 064742-45-6 | not available |                 |

## III - HANDLING AND DISPOSAL PROCEDURES

## PERSONAL PROTECTIVE EQUIPMENT:

Gloves: not required

Eye: safety glasses

Footwear: not required

Respiratory: If mists are generated, use NIOSH approved mask.

Other: not applicable

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Do not breathe mist or spray.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): Strong oxidizing agents.

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Do not handle or store near an open flame. Store in a cool dry area in a closed container.

## IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear liquid; no odour

S.G. / BULK DENSITY(g/cc): 0.83

pH: 9.2

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not available

BOILING POINT: not available

FREEZING POINT: not available

PERCENT VOLATILE: 30%

SOLUBILITY IN WATER: insoluble

EVAPORATION RATE (water=1): not available

## V - TOXICOLOGICAL PROPERTIES

## EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause irritation.

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: Harmful if swallowed. May cause vomiting, nausea and diarrhea.

INHALATION: Breathing spray or mist may cause respiratory irritation.

LD50 (calculated): not available

LC50 (calculated): not applicable

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| <b>OTHER TOXIC EFFECTS:</b> None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |
| <b>EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:</b> None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |
| <b>VI - FIRST AID MEASURES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                     |
| <b>EYES:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.          |
| <b>SKIN:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flush affected area thoroughly with soap and water.                                                                                 |
| <b>INGESTION:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician. |
| <b>INHALATION:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Remove patient to fresh air.                                                                                                        |
| <b>VII - FIRE AND EXPLOSION DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                     |
| <b>FLAMMABLE:</b> Yes, combustible if heated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                     |
| <b>FLASH POINT, °C:</b> 76°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>AUTO IGNITION TEMPERATURE, °C:</b> n/a                                                                                           |
| <b>EXTINGUISHING MEDIA:</b> Water [x]    Dry Chemical [x]    Carbon Dioxide [ ]    Foam [x]    Other [ ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                     |
| <b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear self-contained breathing apparatus. Cool with water spray and remove source of ignition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                     |
| <b>HAZARDOUS COMBUSTION PRODUCTS:</b> Oxides of carbon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |
| <b>EXPLOSIVE SENSITIVITY TO:</b> not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                     |
| <b>VIII - REACTIVITY DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                     |
| <b>STABILITY:</b> Stable [x]    Unstable [ ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                     |
| <b>CONDITIONS TO AVOID:</b> high temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                     |
| <b>INCOMPATIBILITY (Material to Avoid) :</b> Strong oxidizing agents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                     |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Oxides of carbon when heated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                     |
| <b>REACTIVITY:</b> not dangerously reactive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |
| <b>IX - MSDS PREPARATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                     |
| <b>SOURCES USED:</b> MSDS, RTECS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>PREPARED BY:</b> JohnsonDiversey Canada. Inc.<br>Regulatory Department<br>Institutional Division<br>Phone (905) 829-1200         |
| <b>PREPARATION DATE:</b> April 15, 2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |
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