# MATERIAL SAFETY DATA SHEET

|              | SECTION 1 PRODUCT IDENTIFICATION |
|--------------|----------------------------------|
| Product name | BRO Q RUST CONVERTER             |
| Product use  | RUST REMOVAL/ CONVERTOR          |

MANUFACTURER'S NAME Dominion Sure Seal LTD 6175 Danville Road, Mississauga ON L5T 2H7 Phone 1- 905-670 -5411

| SECTION 2 HAZARDOUS INGREDIENTS                     |                        |                                   |   |                                  |
|---|------------------------|-----------------------------------|---|----------------------------------|
| HAZARDOUS INGREDIENTS                               | %                      | CAS NUMBER                        | LD50 of INGREDIENTS LD50 of INGREDIES (SPECIFY SPECIES AND ROUTE) (SPECIFY SPECIES AND ROUTE) |                                  |
|   |                        |                                   | RAT ORAL  | RABBIT DERMAL                    |
| Isopropyl Alcohol<br>Phosphoric Acid<br>Tannic Acid | 15-30<br>15-30<br>7-15 | 67-63-0<br>7664-38-2<br>1401-55-4 | 5840 mg/kg<br>200 mg/kg/<br>N/A   | 13000 mg/kg<br>3160 mg/kg<br>N/A |

| SECTION 3 PHYSICAL DATA |  |                |                   |  |  |
|-------------------------|--|----------------|-------------------|--|--|
| PHYSICAL STATE          | ODOUR & APPEARANCE                     | ODOUR THRESHO  | LD VAPOUR RESSURE |  |  |
| Liquid                  | Alcoholic/brown liquid                 | (ppm) N/A      | 7.0 mm @100 degF  |  |  |
| VAPOUR DENSITY          | EVAPORATION RATE                       | BOILING POINT  | FREEZING POINT    |  |  |
| (AIR=1) 5.2             | N/A                                    | 110 deg C      | -10deg C          |  |  |
|                         |  |                |                   |  |  |
| pН                      | SPECIFIC GRAVITY COEF. WATER/ OIL DIST |                |                   |  |  |
| 1                       | 1.04-1.07                              | Not applicable |                   |  |  |
|                         |  | **             |                   |  |  |

# SECTION 4 FIRE AND EXPLOSION

| FLAMMIBILITY: FLAMMABLE  |                        |                       |  |
|--|------------------------|-----------------------|--|
| MEANS OF EXTINCTION: Cool fire exposed surfaces with water or extinguishing foam |                        |                       |  |
| FLASH POINT deg C UPPER FLAMMABLE LIMIT LOWER                                    |                        | LOWER FLAMMABLE LIMIT |  |
| 30 TCC   | 12 (Isopropyl alcohol) | 2 (Isopropyl alcohol) |  |

| AUTOIGNITION TEMPERATURE deg. C | HAZARDOUS COMBUSTION PRODUCTS |  |
|---------------------------------|-------------------------------|--|
| 399 Isopropyl alcohol           | Oxides of Carbon and Hydrogen |  |

| EXPLOSION DATA | SENSITIVITY TO IMPACT | SENSITIVITY TO STATIC DISCHARGE                    |
|----------------|-----------------------|--|
| Not available  | not available         | Expected to be sensitive within flammability range |

# **SECTION 5 REACTIVITY DATA**

CHEMICAL STABILITY: STABLE

INCOMPATABILITY WITH OTHER SUBSTANCES: Strong alkalis, acids, organic materials, oxidizing materials And reducing materials e.g. bleach, metals such as aluminium, brass copper, magnesium etc.

REACTIVITY AND UNDER WHAT CONDITIONS: Under heat, pressure and in the presence of other chemicals

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, hydrogen gas and oxides of phosphorous

# SECTION 6 TOXICOLOGICAL PRODUCTS

#### ROUTES OF ENTRY

| SKIN ENTRY | SKIN ABSORPTION | EYE CONTACT | INHALATION | INGESTION |
|------------|-----------------|-------------|------------|-----------|
| Yes        | yes             | yes         | yes        | yes       |

EFFECTS OF EXPOSURE: Contact with eyes will cause damage. Ingestion will cause stomach corrosion.

EXPOSURE LIMITS IRRITANCY OF PRODUCT
5 ppm total Corrosive!

SENSITIZATION OF PRODUCT CARCINOGENICITY
Not applicable Not applicable Not applicable

REPRODUCTIVE TOXICITY MUTAGENICITY SYNERGISTIC PRODUCTS
Not applicable Not applicable not applicable

### SECTION 7 PREVENTIVE MEASURES

#### PERSONAL PROTECTIVE EQUIPMENT

GLOVES RESPIRATOR EYE PROTECTION FOOT WEAR CLOTHING
Rubber air mist safety glasses safety boots apron

ENGINEERING CONTROLS Local exhaust ventilation is usually adequate

SPILL & LEAK PROCEDURES Contain spill, use absorbent.

WASTE DISPOSAL Ensure conformity with local, provincial or state and Federal regulations

PRECAUTIONS Avoid prolonged contact with skin

STORAGE REQUIREMENTS Keep away heat, and hot surfaces. Do not freeze. Store in a cool place

#### SHIPPING INFORMATION

TRANSPORTATION OF DANGEROUS GOODS:

UN2924 CLASS 3(8) Packing Group II WHMIS REGULATION B2, E

#### SECTION 8 FIRST AID PROCEDURES

EYES Flush thoroughly with clean water for fifteen minutes. Get medical attention.

SKIN Wash thoroughly with clean water. Get medical attention.

INHALATION Move to an area where there is fresh air INGESTION Give fresh water and seek medical attention

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