

# MATERIAL SAFETY DATA SHEET

Product name: **REVIVE**  
Last revised date: 23-Dec-10  
Print date: 21-Jul-11

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## 1. SUBSTANCE AND SUPPLIER IDENTIFICATION

**PRODUCT NAME:** Revive  
**MANUFACTURER:** Germiphene Corporation  
**ADDRESS:** 1379 Colborne Street East, Brantford, Ontario N3T 5M1, Canada  
**PHONE:** 519-759-7100  
**FAX:** 519-759-1625  
**EMERGENCY PHONE:** CANUTEC 613-996-6666  
**PRODUCT USE:** Medical, dental, aesthetic instruments rust removal.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**INGREDIENT:** Isopropyl alcohol  
**CAS No** 67-63-0      **% wt** 5-15  
**HAZARDOUS:** yes

**INGREDIENT:** Sodium hydroxide  
**CAS No** 1310-73-2      **% wt** 5-15  
**HAZARDOUS:** yes

**INGREDIENT:** Proprietary mixture of alpha hydroxy acids  
**CAS No** n/a      **% wt** 60-80  
**HAZARDOUS:** mild hazard

## 3. HAZARD IDENTIFICATION

**EYES:** Corrosive. Risk of serious damage to eyes.  
**SKIN:** Corrosive. Irritating to skin.  
**INGESTION:** Corrosive. Swallowing may cause severe burns of mouth, throat, and stomach.  
**INHALATION:** Corrosive. Causes burns of the upper digestive and respiratory tracts.  
**CHRONIC EXPOSURE:** Prolonged contact has a destructive effect upon tissue.  
**AGGRAVATION OF PRE-EXISTING CONDITIONS:** Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

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## 4. FIRST AID MEASURES

**EYES:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**SKIN CONTACT:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

**INGESTION:** Immediate medical attention is required. Drink plenty of water. Do not induce vomiting. Call a physician immediately.

**INHALATION:** Move to fresh air.

## 5. FIREFIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, water.

**SPECIAL FIREFIGHTING PROCEDURES:** Standard procedure for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment. Neutralize with soda or sodium carbonate and flush with plenty of water. Soak up with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust). Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Do not store with aluminum or magnesium. Do not mix with acids or organic materials.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:** Ensure adequate ventilation, especially in confined areas.

**RESPIRATORY PROTECTION:** Use respirator when performing operations involving potential exposure to vapour of the product.

**EYE PROTECTION:** Goggles are recommended.

**SKIN PROTECTION:** Rubber gloves are recommended.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use lightweight protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Slightly yellowish, translucent liquid

**ODOUR:** Specific

**PHYSICAL STATE:** Liquid

**pH AS SUPPLIED:** 4-6

**SPECIFIC GRAVITY @ 23°C:** 1.272

**SOLUBILITY IN WATER:** Infinite

**VISCOSITY:** Viscous

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## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable at normal conditions.

**Conditions to avoid:** Avoid temperatures above 200°C.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxidizing agents. Sodium hydroxide in contact with acids and organic halogen compounds, especially trichloroethylene, may cause violent reactions. Contact with nitromethane and other similar nitro compounds causes formation of shock-sensitive salts. Sodium hydroxide, even in fairly dilute solution, reacts readily with various sugars to produce carbon monoxide.

**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous polymerization:** Does not occur.

## 11. TOXICOLOGICAL INFORMATION

**ISOPROPYL ALCOHOL** Oral rat LD50 5045 mg/kg  
Inhalation LD50 16000 ppm / 8hr  
Dermal rabbit LD50 12800 mg/kg

**SODIUM HYDROXIDE:** Oral rabbit LD50 500 mg/kg

## 12. ECOLOGICAL INFORMATION

N/Av

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal method:** According to state, federal, provincial, and local regulations.

## 14. TRANSPORT INFORMATION

**Transport hazard class:** N/A

## 15. REGULATORY INFORMATION

N/Av

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## 16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

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