


**NORTH AMERICA**  
 First Choice When Quality Matters

# MATERIAL SAFETY DATA SHEET

## PUMP SAVER - AR64510

### PUMP SAVER

|                                              |                                                                                                                                                                                           |          |                       |                    |            |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------|--------------------|------------|
| COMPANY IDENTIFICATION:                      | A.R. North America                                                                                                                                                                        |          |                       |                    |            |
| ADDRESS:                                     | 140 - 81st Avenue NE<br>Fridley, MN 55432                                                                                                                                                 |          |                       |                    |            |
| CHEMICAL FAMILY:                             | Mixed Solvents                                                                                                                                                                            |          |                       |                    |            |
| HAZARDOUS INGREDIENTS &<br>OTHER COMPONENTS: | Ingredients                                                                                                                                                                               | % Weight | Exposure Limits       |                    | Cas No.    |
|                                              |                                                                                                                                                                                           |          | OSHA PEL              | ACGIH TLV          |            |
|                                              | Propylene Glycol                                                                                                                                                                          | 69.0     | Not est.              | Not est.           | 57-55-6    |
|                                              | Aliphatic Petroleum Distillates                                                                                                                                                           | 10.0     | 5mg/m <sup>3</sup>    | 5mg/m <sup>3</sup> | 8042-47-5  |
|                                              | Propane/Isobutane Blend                                                                                                                                                                   | 5.0      | 300                   |                    | 68476-86-8 |
|                                              | Oxygenated Hydrocarbon/Salt<br>Blended Corrosion Inhibitor                                                                                                                                | 1.0      | Low order of toxicity |                    |            |
| GENERAL INFORMATION:                         | This product may contain one or more materials subject to the reporting requirements of section 313 of the emergency planning and community right to know acts of 1969 and of 40 CFR 372. |          |                       |                    |            |

### PHYSICAL DATA:

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| <b>APPEARANCE/ODOR:</b>                 | Clear, odorless liquid                   |
| <b>BOILING POINT:</b>                   | Concentrate only - approx 365°F to 374°F |
| <b>VAPOR DENSITY (AIR=1)</b>            | >1                                       |
| <b>SOLUBILITY IN WATER:</b>             | Soluble                                  |
| <b>SPECIFIC GRAVITY (WATER=1)</b>       | 1.04                                     |
| <b>PERCENT VOLATILE BY WEIGHT:</b>      | <1%                                      |
| <b>EVAPORATION RATE (ETHYL ETHER=1)</b> | <1                                       |

### FIRE AND EXPLOSION HAZARD DATA:

|                                            |                                                                    |
|--------------------------------------------|--------------------------------------------------------------------|
| <b>FLAMMABILITY CLASSIFICATION:</b>        | Non-Flammable aerosol per ASTM D-3065-77 Flame Extension Test      |
| <b>FLAMMABLE LIMITS:</b>                   | LEL: 2.6 UEL: 12.6                                                 |
| <b>FLASH POINT:</b>                        | Not established                                                    |
| <b>SPECIAL FIRE FIGHTING PROCEDURES:</b>   | Keep aerosol containers cooled with water fog to prevent bursting. |
| <b>EXTINGUISHING MEDIA:</b>                | Foam, CO <sub>2</sub> , Dry Chemical                               |
| <b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> | Exposure of aerosol cans to temp above 120°F may cause bursting.   |

### HEALTH HAZARD DATA

|                                                             |                                                                                                                                                                                                 |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRIMARY ROUTE(S) OF ENTRY:</b>                           | Inhalation: Yes Dermal: Yes Ingestion: No                                                                                                                                                       |
| <b>EFFECTS OF OVEREXPOSURE:</b>                             | Skin: Can cause redness, irritation upon prolonged contact.<br>Eyes: Liquid can be irritating upon contact<br>Inhalation: Breathing small amounts of this material is not likely to be harmful. |
| <b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b> | Over exposure of Propylene Glycol has been suggested as a cause of kidney damage in laboratory animals.                                                                                         |



# MATERIAL SAFETY DATA SHEET (CONT)

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### EMERGENCY AND FIRST AID PROCEDURES:

Skin: Wash thoroughly with soap and water. Consult Physician if irritation persists.  
 Eyes: Flush immediately with water for 15 minutes. Consult Physician if irritation persists.  
 Inhalation: First aid is not normally required. Move to fresh air. Get medical attention if irritation persists.  
 Ingestion: Induce vomiting only at the direction of a Physician. Get immediate medical attention. Never give anything by mouth to an unconscious person.

### REACTIVITY DATA:

|                                             |                                                |
|---------------------------------------------|------------------------------------------------|
| <b>STABILITY:</b>                           | Stable                                         |
| <b>CONDITIONS TO AVOID:</b>                 | Strong oxidizers                               |
| <b>HAZARDOUS DECOMPOSITION BY PRODUCTS:</b> | Carbon Monoxide                                |
| <b>INCOMPATIBILITY:</b>                     | Strong acids, strong alkalis, strong oxidizers |
| <b>HAZARDOUS POLYMERIZATION:</b>            | Will not occur                                 |

### PRECAUTIONS FOR SAFE HANDLING AND USE

|                                                                   |                                                                                                                                                                                                                    |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:</b> | Large spills are unlikely due to aerosol packing. Absorb with an absorbent material and dispose.                                                                                                                   |
| <b>WASTE DISPOSAL METHOD:</b>                                     | When disposing of spent containers, do not puncture or incinerate. Since regulations vary concerning the disposal of these chemicals, consult local, state, and federal agencies for proper disposal in your area. |

### SPECIAL PROTECTION INFORMATION:

|                                                 |                                                                                                                         |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>RESPIRATORY PROTECTION:</b>                  | Use NIOSH approved self-contained breathing apparatus if TLV is exceeded.                                               |
| <b>VENTILATION:</b>                             | Sufficient local or mechanical ventilation to maintain vapor concentrations below TLV.                                  |
| <b>PROTECTIVE GLOVES:</b>                       | Solvent resistant.                                                                                                      |
| <b>EYE PROTECTION:</b>                          | Safety glasses with chemical splash-proof side shields, chemical goggles and/or face shield.                            |
| <b>OTHER PROTECTIVE CLOTHING AND EQUIPMENT:</b> | Varying application methods can dictate use of traditional protective safety equipment such as impermeable aprons, etc. |

### SPECIAL PRECAUTIONS:

Keep out of reach of children. Avoid contact with skin, eyes or clothing. Avoid prolonged or repeated exposure to vapors. Do not store at temperatures exceeding 120°F.

### SUPPLEMENTARY INFORMATION

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| <b>SARA Title III:</b>      | Rating Scale = Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe |
| <b>HMIS CLASSIFICATION:</b> | Health: 1 Flammability: 1 Reactivity: 0                           |
| <b>NAPA CLASSIFICATION:</b> | Health: 1 Reactivity: 0 Fire: 1                                   |
| <b>DOT CLASSIFICATION:</b>  | Aerosols Non-Flammable, 2.2, UN 1950                              |

Periodically, user should request new MSDS to assure it matches current formulation. The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, no warranty is made either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.

October 27, 2008