



Precipitating Agent Solve 80W

Material Safety Data Sheet

Date Issued: September, 2006

Date Revised: November 27, 2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SOLVE 80W
Primary Chemical Family: Aluminum Chlorhydrate

COMPANY: WaterSolve, LLC, 4964 Starr St. S.E. Grand Rapids, MI 49546, USA
For Product information call 616-575-8693.

Emergency Telephone: Chemtrec Phone: 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CASE NUMBER</u>	<u>%WT</u>
Aluminum Chlorhydrate	12042-91-0	< 60

Other components may be blended in this formulation. The precise composition is proprietary. Bona fide requests for disclosure to medical personnel must be made in accordance with the procedures in 29 CFR 1910.1200(i)1-13. While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available to all users of this product.

3. HAZARDOUS IDENTIFICATION AND FIRST AID

EYES: Direct contact may cause irritation, swelling and redness. Effects of repeated contact may result in conjunctivitis.

SKIN: Prolonged contact with skin may cause skin irritation.

INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

INHALATION: Mist or spray may cause irritation to respiratory system if inhaled.

Inhalation: If respiratory distress occurs, get into fresh air and, if needed, administer oxygen and start CPR. Seek medical attention.

Skin Contact: May cause irritation. Remove contaminated clothing and shoes and flush affected area with water and soap. Wash with soap and water. If irritation persists seek medical attention. Wash or discard contaminated clothing and shoes. Discard contaminated leather articles such belt and shoes.

Eye Contact: Flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention immediately.

Ingestion: Seek medical attention immediately. Give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear. Seek medical attention.

4. FIRE AND EXPLOSION DATA

Flash Point: Non-flammable

Extinguishing Media – N/A, aqueous system

Special Fire Fighting Procedures – Use self-contained breathing apparatus and protective clothing while extinguishing.

Unusual Fire and Explosion Hazards: Product is non-flammable as supplied.

HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0 Personal Protection: B

Hazard Scale: 0=minimal 1=slight 2=moderate 3=serious 4=severe *=chronic hazard

5. SPILL, LEAK, AND DISPOSAL PROCEDURES

Small Spills: Stop leaks and clean up spills immediately. Neutralize with soda ash.

Large Spills: Dike the spilled liquid for recovery with absorbent material. Wash spill with large amounts of clear water. Soap may precipitate Aluminum Hydroxide. Wear face shield, boots and rubber apron if spilled. Material may be slippery.

Waste Disposal Method: Landfill or incinerate. Dispose of in accordance with local, state and federal regulations.

6. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	200°F
Specific Gravity:	1.330—1.350
Evaporation Rate:	N/A
Vapor Density:	Same as water
Vapor Pressure:	N/A
Solubility in Water:	Complete
pH of Neat Solution:	3.5
Appearance/Odor:	Clear, slightly yellow liquid, slight odor.

7. REACTIVITY DATA

Stability: Stable under normal storage and handling conditions.

Hazardous Polymerization: Will not occur.

Incompatibility (Materials to Avoid): Metals (zinc and aluminum) alkalies.

Hazardous Decomposition Products: When heated to decomposition emits toxic oxides of carbon and chlorine compounds, including hydrogen chloride. Reacts with metals to form flammable hydrogen gas.

8. PROTECTIVE MEASURES

Eye Protection: Wear Chemical splash-proof goggles.

Protective Gloves: Wear chemical resistant gloves.

Respiratory Protection: None normally required.

Ventilation: Always store and use all chemicals in well ventilated areas.

Other protective Equipment: Wear protective clothing and boots suitable for protection from chemical products. Provide eye wash and safety shower stations.

9. HANDLING AND STORAGE

Handling and Storage: Protect drum from damage, freezing and intense heat.

Other precautions: Do not swallow. Wear protective eye goggles, gloves, boots and clothing.

10. TOXICOLOGICAL INFORMATION

Chronic effects and medical conditions aggravated by overexposure: Not established.

SPECIAL NOTE: None of the components in this product are considered a carcinogen by OSHA, NTP or IARC.

11. ECOLOGICAL INFORMATION

Not determined.

12. DISPOSAL CONSIDERATIONS

Disposal in accordance with local, state, and federal environmental laws.

13. TRANSPORTATION INFORMATION

DOT CLASSIFICATION: Not regulated.

14. REGULATORY INFORMATION

FEDERAL EPA

Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA):

Requires notification to the National Response Center of releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ) in 40 CFR 302.4. Components present in this product at a level which would require reporting under the statute are:

<u>Chemical</u>	<u>CAS Number</u>	<u>RQ</u>
<u>NONE</u>		

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:

Requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355 (SARA 302, 304, 311 and 312) Components present in this product at a level which could require reporting under the statute are:

NONE

Toxic Substances Control Act (TSCA) Status:

All components of this product are on the TSCA inventory

EPA Priority Pollutants: NONE

RCRA Hazard Class: If discarded – non – hazardous.

15 **OTHER INFORMATION**

LEGEND:

CAS	Chemical Abstract Number
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
HMIS	Hazardous Materials Identification System
IRAC	International Agency for Research on Cancer
MSDS	Material Safety Data Sheet
N/A	Not applicable
NTP	National Toxicity Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
SARA	Superfund Amendments and Reauthorization Act
TSCA	Toxic Substance Control Act
TLV	Threshold Limit Value

This information is for the specific material described only and may not be valid if the material is used in combination with any other materials or in any process. The user is responsible to determine the completeness of the information and suitability for the user's own particular use. It is the knowledge and belief of WaterSolve, LLC, the information is accurate and reliable as of the date indicated but WaterSolve, LLC makes no express or implied warranty of merchantability for the material or the information. WaterSolve, LLC makes no express or implied warranty of fitness for a purpose for the material or for the information.