



# SAFETY DATA SHEET

## SECTION 1 — IDENTIFICATION

**Product identifier:** **AlbaChem R.S.W.**  
**Product Number:** 4000, 4001, 4002, 4003 & 4004  
**Manufacturer's name and address:** Refer to supplier  
**Supplier name and address:**

### ***ALBATROSS USA INC./EXPERT WORLDWIDE***

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Long Island City, New York  
United States  
11106  
718-392-6272

5439 San Fernando Road West  
Los Angeles, California  
United States  
90039  
818-543-5850

**Emergency Telephone #:** Chemtrec (Day or Night) 800-424-9300  
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

This MSDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

**IMPORTANT:** Read this MSDS before handling and disposing of this product. Pass this information on to employees, customer, and users of this product.

## SECTION 2 — HAZARDS IDENTIFICATION

**LABEL PICTOGRAM:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENT(S):**

- H227 Combustible liquid.
- H304 May be fatal if swallowed and enters airways.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.

**PRECAUTIONARY STATEMENTS:**

Prevention:

- P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- P233: Keep container tightly closed. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P370 + P378: In case of fire: Use water spray, carbon dioxide, dry chemical or alcohol foam for extinction.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331: Do NOT induce vomiting. P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower. P332 + P313: If skin irritation occurs: Get medical advice /attention. P363: Wash contaminated clothing before reuse. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/attention. P391: Collect spillage.

**Storage:**

P403 + P235: Store in a well-ventilated place. Keep cool. P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): None Known

### SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS: 70-80% ISOPARAFFINIC HYDROCARBON (64742-48-9) {265-149-8}  
15-25% DIPROPYLENE GLYCOL METHYL ETHER (34590-94-8) {252-104-2}  
0- 5 % D-LIMONENE (5989-27-5)

Number in parentheses is CAS #, number in brackets is European EC #.

### SECTION 4 — FIRST AID MEASURES

**INHALATION:**

After high vapour exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. CALL A PHYSICIAN immediately!

**SKIN CONTACT:**

In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

**EYE CONTACT:**

For eyes, flush with plenty of water for 15 minutes & get medical attention.

**SWALLOWING:**

If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down & keep warm. Vomiting may lead to pneumonitis, which may be fatal.

### SECTION 5 — FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:**

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class III-A liquid fires.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

#### **UNUSUAL EXPLOSION AND FIRE PROCEDURES:**

##### **COMBUSTIBLE!**

Keep container tightly closed.  
 Isolate from oxidizers, heat, & open flame.  
 Closed containers may explode if exposed to extreme heat.  
 Applying to hot surfaces requires special precautions.  
 Empty container very hazardous! Continue all label precautions!

### **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

#### **CONTAINMENT TECHNIQUES:**

Stop spill at source. Dike area & contain.

#### **CLEAN-UP PROCEDURES:**

Clean up remainder with absorbent materials. Mop up & dispose of.

### **SECTION 7 — HANDLING AND STORAGE**

#### **HANDLING:**

Isolate from oxidizers, heat, & open flame. Use only with adequate ventilation. Avoid or repeated breathing of vapour or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, braze, or weld. Empty container very hazardous! Continue all label precautions!

#### **STORAGE:**

Store large amounts in structures made for OSHA Class II liquids. Keep container tightly closed & upright when not in use to prevent leakage.

### **SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **RESPIRATORY EXPOSURE CONTROLS:**

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

#### **VENTILATION:**

LOCAL EXHAUST	: Necessary
MECHANICAL (GENERAL)	: Acceptable
SPECIAL	: None
OTHER	: None

**PERSONAL PROTECTION:**

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

**WORK & HYGIENIC PRACTICES:**

Provide readily accessible eye wash stations & safety showers. Wash at end of each workshift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

**SECTION 9 — PHYSICAL & CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Liquid, Water-White
<b>ODOR:</b>	Lemon
<b>BOILING RANGE:</b>	177 195 201 C / 351 383 395 F
<b>AUTO IGNITION TEMPERATURE:</b>	260 C / 500 F (Lowest Component)
<b>LOWER FLAMMABLE LIMIT IN AIR (% by vol):</b>	0.9
<b>FLASH POINT (TEST METHOD):</b>	141 F (TCC)
<b>FLAMMABILITY CLASSIFICATION:</b>	Class III-A
<b>GRAVITY @ 60 F:</b>	
<b>API:</b>	46.4
<b>SPECIFIC GRAVITY (Water=1):</b>	0.795
<b>POUNDS/GALLON:</b>	6.624
<b>VOC'S (&gt;0.44 Lbs/Sq In):</b>	0.0 Vol. % / 0.0 g/L / 0.000 Lbs/Gal
<b>TOTAL VOC'S (TVOC):</b>	100.0 Vol. % / 795.2 g/L / 6.623 Lbs/Gal
<b>NONEXEMPT VOC'S (CVOC):</b>	98.0 Vol. % / 778.4 g/L / 6.483 Lbs/Gal
<b>HAZARDOUS AIR POLLUTANTS (HAPS):</b>	None
<b>VAPOR PRESSURE (mm of Hg) @ 20 C:</b>	0.8
<b>NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C):</b>	0.7
<b>VAPOR DENSITY (air=1):</b>	4.9
<b>WATER ABSORPTION:</b>	Appreciable
<b>REFRACTIVE INDEX:</b>	1.426
<b>MIXED ANILINE POINT (Acid Insol):</b>	75 C / 168 F

**SECTION 10 — STABILITY & REACTIVITY****STABILITY:**

Stable under normal conditions.

**CONDITIONS TO AVOID:**

Isolate from oxidizers, heat, & open flame.

**MATERIALS TO AVOID:**

Isolate from strong oxidizers such as permanganates, chromates & peroxides.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon Monoxide, Carbon Dioxide from burning.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

<b>SECTION 11 — TOXICOLOGICAL INFORMATION</b>
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<b>MATERIAL</b>	<b>CAS #</b>	<b>TWA (OSHA)</b>	<b>TLV (ACGIH)</b>	<b>HAP</b>
Isoparaffinic Hydrocarbon	64742-48-9	500 ppm	5mg/m <sup>3</sup>	No
Dipropylene Glycol Methyl Ether	34590-94-8	100 ppm	100 ppm	No
d-Limonene	5989-27-5	None Known	50 ppm	No

Each component showing "Yes" under "HAP" is an EPA Hazardous Air Pollutant

<b>MATERIAL</b>	<b>CAS #</b>	<b>CEILING</b>	<b>STEL (OSHA/ACGIH)</b>
		None Known	None Known

### ACUTE HAZARDS

#### EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.  
Absorption thru skin increases exposure.

Primary irritation to eyes, redness, tearing, blurred vision.  
Liquid can cause eye irritation. Wash thoroughly after handling.

#### INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapour can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

#### SWALLOWING:

Harmful or fatal if swallowed.  
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

### SUBCHRONIC HAZARDS/CONDITIONS AGGREGATED

#### CONDITIONS AGGREGATED:

Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs.  
Persons with severe skin, liver or kidney problems should avoid use.

### CHRONIC HAZARDS

#### CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%. Absorption thru skin may be harmful.

<b>SECTION 12 — ECOLOGICAL INFORMATION</b>
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#### MAMMALIAN INFORMATION:

##### MATERIAL

Dipropylene Glycol			LOWEST KNOWN LD50 (SKIN)
Methyl Ether	34590-94-8	252-104-2	10600.0 mg/kg (Rabbits)

**MOBILITY:**

This material is a mobile liquid.

**DEGRADABILITY:**

This product is partially biodegradable.

**ACCUMULATION:**

This product does not accumulate or biomagnify in the environment.

## SECTION 13 — DISPOSAL CONSIDERATIONS

Recycle/dispose of observing national, regional, state, provincial and local health, safety & pollution laws.  
If questions exist, contact the appropriate agencies.

## SECTION 14 — TRANSPORT INFORMATION

**DOT SHIPPING NAME:** **BULK:** Combustible Liquid, n.o.s. NA1993, PG-III  
(Petroleum Distillates, Dipropylene Glycol Methyl Ether)

Combustible liquid. Not DOT regulated on trucks in containers of < 119 gallons.

**DRUM LABEL:** None (Combustible Liquid)

**IATA/ICAO:** None

**IMO/IMDG:** None

**EMERGENCY RESPONSE GUIDEBOOK NUMBER:** 128

## SECTION 15 — REGULATORY INFORMATION

**EPA REGULATION:**

**SARA SECTION 311/312 HAZARDS:** Acute Health, Chronic Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372.

**STATE REGULATIONS:**

**THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN  
CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS**

**INTERNATIONAL REGULATIONS:**

The components of this product are listed on the chemical inventories of the following countries:  
Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

**SECTION 16 — OTHER INFORMATION****HAZARD RATINGS**

HEALTH (NFPA): 1,      HEALTH (HMIS): 1,      FLAMMABILITY: 2,      REACTIVITY: 0

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

**EMPLOYEE TRAINING:**

Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

**NOTICE**

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore, users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

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