# Arizona

## SAFETY DATA SHEET

1. Identification

Product identifier SYLVAROAD™ RP 1000 Performance Additive

Other means of identification

SDS number 13673

**Product Code** 20000001616

Recommended use Industrial uses: Uses of substances as such or in preparations at industrial sites. Formulation

[mixing] of preparations and/or re-packaging (excluding alloys).

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company Arizona Chemical Company LLC

Address Building 100

4600 Touchton Road East, Suite 1200

City/State Jacksonville, FL

**Zip** 32246 **Country** USA

 Phone Number
 904-928-8700

 Alternate Phone Number
 800-526-5294

 Fax Number
 904-928-8780

Emergency-US CHEMTREC 800-424-9300

## 2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.

**Hazard statement** The substance does not meet the criteria for classification.

Precautionary statement

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

## 3. Composition/information on ingredients

#### **Substances**

Chemical name	Common name and synonyms	CAS number	%
Polyol ester		Proprietary	100

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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### 4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eve contact** Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur. Direct contact with eyes may cause temporary irritation.

**Most important** symptoms/effects, acute and

delayed

Indication of immediate medical attention and special

treatment needed **General information**  Treat symptomatically.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

## 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing media

Specific hazards arising from

the chemical

Special protective equipment and precautions for firefighters

Fire fighting

Specific methods

equipment/instructions

General fire hazards

Water fog. Water spray, dry chemical, carbon dioxide. Foam.

Do not use water jet as an extinguisher, as this will spread the fire.

During fire, gases hazardous to health may be formed. Upon decomposition, this product emits

carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Wear suitable protective equipment. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk, Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

## **Environmental precautions**

7. Handling and storage Precautions for safe handling

Avoid release to the environment. Observe good industrial hygiene practices. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Keep containers closed when not in use. Store at ambient temperature and atmospheric pressure. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

Occupational exposure limits

**Biological limit values** 

Appropriate engineering controls

No exposure limits noted for ingredient(s).

No biological exposure limits noted for the ingredient(s).

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

## Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

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Skin protection

Wear appropriate chemical resistant gloves. **Hand protection** 

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eye wash fountain and emergency showers are

recommended.

## 9. Physical and chemical properties

**Appearance** Liquid. Physical state Liquid. **Form** Liquid. Yellow Color Odor Mild

**Odor threshold** Not available. Not available. pН Melting point/freezing point Not available. Initial boiling point and boiling > 572 °F (> 300 °C)

range

534.9 °F (279.4 °C) Cleveland Open Cup (Ambient Conditions); ASTM D92 Flash point

**Evaporation rate** Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

Not available.

(%)

Not available. Explosive limit - lower (%) Not available. Explosive limit - upper (%)

< 0.1 mPa SPARC v4.6 Vapor pressure

Not available. Vapor density

Relative density 0.927 ASTM D1475 at 20°C

Solubility(ies)

Solubility (water) 0.6 mg/I OECD 105 at 20°C

Partition coefficient (n-octanol/water)

Not available.

Not available. **Auto-ignition temperature** Not available. **Decomposition temperature** 

**Viscosity** 100.8 mm<sup>2</sup>/s ASTM D445 at 20°C

Other information

-54.4 °F (-48 °C) ASTM D97 Pour point

## 10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Strong oxidizing agents. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide, Hazardous decomposition

water and other products of combustion. products

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# 11. Toxicological information

Information on likely routes of exposure

InhalationNo adverse effects due to inhalation are expected.Skin contactNo adverse effects due to skin contact are expected.Eye contactDirect contact with eyes may cause temporary irritation.

Polyol ester Irritation Corrosion - Eye, No eye irritation.; Data is for similar

product.

Result: Negative

Species: New Zealand white rabbit

Organ: Eye Test Duration: 72 hr Observation Period: 72 hr Notes: OECD 405

**Ingestion** Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

#### Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Components	Species	Test Results	
Polyol ester			
Acute			
Dermal			
LD50	Sprague-Dawley rat	> 2000 mg/kg, 14 days At this dose no death occurred.; Data is for similar product.; OECD 402.	
Inhalation			
LC50	Wistar rat	> 5.22 mg/l, 4 h (As Aerosol); At this dose no death occurred.; Data is for similar product.; OECD 436	
Oral			
LD50	Sprague-Dawley rat	> 2000 mg/kg, 14 days At this dose no death occurred.; Data is for similar product.; OECD 423	
Subacute			
Dermal			
NOAEL	Sprague-Dawley rat	>= 2000 mg/kg/day, 28 days Data is for similar product.; OECD 411	
Oral			
NOAEL	Rat	>= 1000 mg/kg/day, 28 days Data is for similar product.; OECD 407	
Subchronic			
Dermal			
NOAEL	Sprague-Dawley rat	>= 2000 mg/kg/day, 6 hours Developmental Effects; Data is for similar	

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

Corrosivity

Polyol ester Irritation Corrosion - Skin, No skin irritation.; Data is for

similar product. Result: Negative

Species: New Zealand white rabbit

product.; OECD 414

Organ: Skin Test Duration: 4 hr Observation Period: 3 days

Notes: OECD 404

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Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

**Eve Contact** 

Polyol ester Irritation Corrosion - Eye, No eye irritation.; Data is for similar

product.

Result: Negative

Species: New Zealand white rabbit

Organ: Eye

Test Duration: 72 hr Observation Period: 72 hr

Notes: OECD 405

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Skin sensitization

Polyol ester Maximisation Assay (Magnusson and Kligman), Not a skin

sensitizer.; Data is for similar product.; OECD 406

Result: Negative Species: Guinea pig Organ: Skin Notes: OECD 406

No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity

mutagenic or genotoxic.

Mutagenicity

Polyol ester In vitro gene mutation study in mammalian cells, This material is considered to be non-clastogenic to human

lymphocytes in vitro.; Data is for similar product.; OECD 476

Result: Negative Species: Mouse

Organ: mammalian cell COMET assay (L5178Y mouse

lymphoma cells) Notes: OECD 476

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Carcinogenicity

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

This product is not expected to cause reproductive or developmental effects. Reproductive toxicity

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** 

Not available.

**Chronic effects** No adverse effects due to inhalation are expected.

12. Ecological information

The product is not classified as environmentally hazardous. However, this does not exclude the **Ecotoxicity** 

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Polyol ester			
Acute			
Other	EL50	Pseudokirchnerella subcapitata	> 110 mg/l, 72 hr >> Water solubility; Data is for similar product.; OECD 201
Aquatic			
Acute			
Crustacea	EL50	Daphnia magna	> 106 mg/l, 48 hr >> Water solubility; Data is for similar product.; OECD 202
Fish	LL50	Danio rerio	> 102 mg/l, 96 hr >> Water solubility; Data is for similar product.; OECD 203

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Components **Species Test Results** 

Chronic

Crustacea EL50 > 0.11 g/l, 21 days >> Water solubility; Daphnia magna

Data is for similar product.; OECD 211

Persistence and degradability The product is biodegradable.

Biodegradability

Percent degradation (Aerobic biodegradation)

Polyol ester 86.6 % CO2 Evolution Test, Data is for similar product.;

OFCD 301B

Result: Readily biodegradable Species: Activated sewage sludge

Test Duration: 28 days

Bioaccumulative potential Not available. Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. **Disposal instructions** 

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

### 14. Transport information

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

US federal regulations All components are on the U.S. EPA TSCA Inventory List.

Not established.

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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<sup>\*</sup> Estimates for product may be based on additional component data not shown.

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

NFPA ratings Health: 1

Flammability: 1 Instability: 0

NFPA ratings



#### US state regulations

#### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed

#### **US. Massachusetts RTK - Substance List**

Not regulated.

#### US. New Jersey Worker and Community Right-to-Know Act

Not listed.

#### US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

#### **US. Rhode Island RTK**

Not regulated.

### 16. Other information, including date of preparation or last revision

 Issue date
 04-07-2015

 Revision date
 04-07-2015

Version # 1.0

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obtaining any required licenses.

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