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**Product Name: RCS Rinseable Primer RCS-40**

Issue Date: 08/26/2015

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**1. IDENTIFICATION: SUBSTANCE/MIXTURE AND COMPANY**

**Company Identification:**

Huntsman Building Solutions  
3315 E. Division Street,  
Arlington, TX 76011

**24 Hour Emergency Response Information**

CARECHEM : (866) 928-0789

Customer Information Number:

817-640-4900

Email:

sdsinfo@huntsmanbuilds.com

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**2. HAZARD IDENTIFICATION**

**Hazard Classification**

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Serious eye damage - Category 1

Label Elements

Hazard Pictograms



Signal Word: **DANGER!**

**Hazards**

Causes serious eye damage.

**Precautionary Statements**

**Prevention**

Wear eye/protection/face protection

**Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Other Hazards**

No data available

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Nature:** Chemical Specialty  
This product is a mixture

<u>Component</u>	<u>CASRN</u>	<u>Concentration</u>
Sodium metasilicate	6834-92-0	4.0 – 6.0%
Phosphate salt	Trade Secret	3.0 – 5.0%
Modified alkylphenol alkoxyate(s)	Trade Secret	1.0 – 3.0%
Anionic surfactant	Trade Secret	< 0.6%
Water	7732-18-5	87.0 – 89.0%

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**4. FIRST-AID MEASURES**

**Description of First Aid Measures**

- Inhalation:** Move person to fresh air.
- Skin Contact:** Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.
- Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Get prompt medical attention.
- Ingestion:** Do NOT induce vomiting. Drink 1 or 2 glasses of water. IMMEDIATELY see a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway clean.

**Most important symptoms and effects, both acute and delayed:** Aside from the information found under Description of first aid measures (above) and indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

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**5. FIREFIGHTING MEASURES**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media:** No data available.

**Special hazards arising from the substance or mixture**

**Hazardous combustion products:** No data available.

**Unusual Fire and Explosion Hazards:** Closed containers may rupture via pressure build-up when exposed to fire or extreme heat. During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition.

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**Advice for firefighters**

**Fire Fighting Procedures:** Move containers promptly out of fire zone. If removal is impossible, cool containers with water spray. Remain upwind. Avoid breathing smoke. Contain run-off.

**Special protective equipment for firefighters:** In the event, wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.

**Environmental precautions:** WARNING: KEEP SPILLS OF PRODUCT AS SUPPLIED OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER. DO NOT DISCHARGE CLEANING RUNOFFS DIRECTLY TO OPEN BODIES OF WATER.

**Methods and materials for containment and cleaning up:** Evacuate personnel to safe areas. Ventilate the area. Floor may be slippery; use care to avoid falling. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid breathing vapor. Avoid all contact.

**7. HANDLING AND STORAGE**

**Precautions for safe handling:** Vapors can be evolved when material is heated during processing operations. See SECTION 8, Exposure Controls/Personal Protection, for types of ventilation required. Wash after handling and shower at end of work period.

**Conditions for safe storage:** Avoid temperature extremes during storage; ambient temperature preferred. Store out of direct sunlight in a cool place. Keep containers tightly closed in a cool, well-ventilated place. Do not store this material in containers made of the following: aluminum

**Other data:** CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all MSDS and label warnings even after container is emptied.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Control parameters**

Exposure limits are listed below, if they exist.

Component	Regulation	Type of Listing	Value/Notation
Phosphate salt	US WEEL	STEL	5 mg/m3

**Exposure controls**

**Engineering controls:** Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

**Protective measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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**Individual protection measures**

**Eye/face protection:** Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.

**Skin protection**

**Hand protection:** Chemical-resistant gloves should be worn whenever this material is handled. The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Nitrile rubber butyl-rubber Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. Gloves should be decontaminated before discarding.

**Other protection:** Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

**Respiratory protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required under normal operating conditions. Where vapors and/or mists may occur, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

<b>Physical state</b>	liquid clear
<b>Color</b>	light pink
<b>Odor</b>	sweet
<b>Odor Threshold</b>	No data available
<b>Ph</b>	13.0 – 13.5
<b>Melting point/range</b>	0°C (32°F) Water
<b>Freezing point</b>	No data available
<b>Boiling point (760mmHg)</b>	100.00 °C (212.00 °F) Water
<b>Flash point</b>	Noncombustible
<b>Evaporation Rate (Butyl Acetate =1)</b>	<1.00 Water
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Lower explosion limit</b>	Not Applicable
<b>Upper explosion limit</b>	Not Applicable
<b>Vapor Pressure</b>	17 mmHg at 20.00 °C (68.00 °F) Water
<b>Relative Vapor Density (air = 1)</b>	<1.0000 Water
<b>Relative Density (water = 1)</b>	No data available
<b>Water solubility</b>	Completely soluble
<b>Partition coefficient: N-octanol/water</b>	No data available
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	Combustion generates toxic fumes of the following: Carbon dioxide
<b>Dynamic Viscosity</b>	No data available
<b>Kinematic Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available
<b>Molecular weight</b>	No data available
<b>Percent volatility</b>	87.000 – 89.000% Water

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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**10. STABILITY AND REACTIVITY**

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical stability:** No data available

**Possibility of hazardous reactions:** This material is considered stable.  
Product will not undergo hazardous polymerization.

**Conditions to avoid:** No data available

**Incompatible materials:** Avoid contact with the following: Strong oxidizing agents Strong acids and strong bases  
Corrosive to some metals. Avoid contact with metals such as: aluminum

**Hazardous decomposition products:** Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon oxides

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**11. TOXICOLOGICAL INFORMATION**

*Toxicological information appears in this section when such data is available.*

**Acute toxicity**

**Acute oral toxicity**

Product test data not available. Refer to component data.

**Acute dermal toxicity**

LD50, Rat, > 2,000 mg/kg

**Acute inhalation toxicity**

LC50, Rat, 4 Hour, dust/mist, > 5 mg/l

**Skin corrosion/irritation**

Slight irritation

**Serious eye damage/eye irritation**

Corrosive

**Sensitization**

Product test data not available. Refer to component data.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Product test data not available. Refer to component data.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Product test data not available. Refer to component data.

**Carcinogenicity**

Product test data not available. Refer to component data.

**Teratogenicity**

Data for a component in the product. Dermal exposure has caused developmental toxicity effects in animals in the absence of maternal toxicity, however, the doses at which the effects were observed were very high (>2000

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mg/kg bw) and the observed effects are common findings in rat developmental toxicity studies which are not necessarily indicative of the manifestation of a teratogenic effect.

**Reproductive toxicity**

Product test data not available. Refer to component data.

**Mutagenicity**

Product test data not available. Refer to component data.

**Aspiration Hazard**

Product test data not available. Refer to component data.

**COMPONENTS INFLUENCING TOXICOLOGY:**

**Sodium metasilicate**

**Acute oral toxicity**

LD50, Rat, 1,152 - 1,349 mg/kg

**Sensitization**

Did not demonstrate the potential for contact allergy in mice.

For respiratory sensitization:

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

May cause respiratory irritation.

Route of Exposure: Inhalation

Target Organs: Respiratory Tract

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

**Carcinogenicity**

No relevant data found.

**Reproductive toxicity**

Has been toxic to the fetus in laboratory animal tests.

**Mutagenicity**

In vitro genetic toxicity studies were negative.

**Aspiration Hazard**

Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

**Phosphate salt**

**Acute oral toxicity**

LD50, Rat, 4,100 mg/kg

**Sensitization**

For skin sensitization:

No relevant data found.

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For respiratory sensitization:  
No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

May cause respiratory irritation.  
Route of Exposure: Inhalation  
Target Organs: Respiratory Tract

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

No relevant data found.

**Carcinogenicity**

No relevant data found.

**Reproductive toxicity**

No relevant data found.

**Mutagenicity**

Animal genetic toxicity studies were negative in some cases and positive in other cases.

**Aspiration Hazard**

Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

**Modified alkylphenol alkoxyate(s)**

**Acute oral toxicity**

LD50, Rat, > 5,000 mg/kg

**Sensitization**

Did not cause allergic skin reactions when tested in humans.

For respiratory sensitization:

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

In animals, effects have been reported on the following organs:  
Liver.

**Carcinogenicity**

No relevant data found.

**Reproductive toxicity**

No relevant data found.

**Mutagenicity**

In vitro genetic toxicity studies were negative.

**Aspiration Hazard**

Based on physical properties, not likely to be an aspiration hazard.

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**Anionic surfactant**

**Acute oral toxicity**

LD50, Rat, 4,000 - 8,000 mg/kg

LD50, Rat, 4,000 - 8,000 mg/kg

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

**Sensitization**

For skin sensitization:

No relevant data found.

For respiratory sensitization:

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

No relevant data found.

**Carcinogenicity**

No relevant data found.

**Reproductive toxicity**

No relevant data found.

**Mutagenicity**

No relevant data found.

**Aspiration Hazard**

No aspiration toxicity classification

**Carcinogenicity**

Not considered carcinogenic by NTP, IARC, and OSHA

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**12. ECOLOGICAL INFORMATION**

*Ecotoxicological information appears in this section when such data is available.*

**Toxicity**

**Acute toxicity to fish**

LC50, Rainbow trout (*Oncorhynchus mykiss*), 96 Hour, > 1,000 mg/l, OECD Test Guideline 203 or Equivalent

NOEC, Rainbow trout (*Oncorhynchus mykiss*), 96 Hour, 500 mg/l, OECD Test Guideline 203 or Equivalent

**Acute toxicity to aquatic invertebrates**

EC50, *Daphnia magna*, 48 Hour, > 1,000 mg/l, OECD Test Guideline 202 or Equivalent

NOEC, *Daphnia magna*, 48 Hour, 500 mg/l, OECD Test Guideline 202 or Equivalent



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**Acute toxicity to algae/aquatic plants**

based on cell density, growth rate and biomass

EC50, Algae (*Selenastrum capricornutum*), 96 Hour, > 1,000 mg/l, OECD Test Guideline 201 or Equivalent

based on cell density and growth rate

NOEC, Algae (*Selenastrum capricornutum*), 96 Hour, 1,000 mg/l, OECD Test Guideline 201 or Equivalent

based on biomass

NOEC, Algae (*Selenastrum capricornutum*), 96 Hour, 250 mg/l, OECD Test Guideline 201 or Equivalent

**Persistence and degradability**

**Sodium metasilicate**

**Biodegradability:** Biodegradation is not applicable.

**Phosphate salt**

**Biodegradability:** Biodegradation is not applicable.

**Modified alkylphenol alkoxyate(s)**

**Biodegradability:** Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

**Theoretical Oxygen Demand:** 1.9 - 1.95 mg/mg Estimated.

**Chemical Oxygen Demand:** 2.0 mg/mg Estimated.

**Anionic surfactant**

**Biodegradability:** No relevant data found.

**Bioaccumulative potential**

**Phosphate salt**

**Bioaccumulation:** Partitioning from water to n-octanol is not applicable.

**Partition coefficient: n-octanol/water(log Pow):** -7.54 Estimated.

**Modified alkylphenol alkoxyate(s)**

**Bioaccumulation:** No relevant data found.

**Anionic surfactant**

**Bioaccumulation:** No relevant data found.

**Mobility in soil**

**Phosphate salt**

Potential for mobility in soil is very high (Koc between 0 and 50).

**Partition coefficient(Koc):** 1 Estimated.

**Modified alkylphenol alkoxyate(s)**

No relevant data found.

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**Anionic surfactant**

No relevant data found.

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**13. DISPOSAL CONSIDERATIONS**

**Disposal methods:** Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

(Sec 40 CFR 268)

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

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**14. TRANSPORT INFORMATION**

**DOT Proper shipping name** Caustic alkali liquids, n.o.s.(Sodium metasilicate)  
**UN number** UN 1719  
**Class** 8  
**Packing group** III

**Classification for SEA transport (IMO-IMDG): Proper shipping name** CAUSTIC ALKALI LIQUID, N.O.S.(Sodium metasilicate)  
**UN number** UN 1719  
**Class** 8  
**Packing group** III  
**Marine pollutant** No  
**Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code** Consult IMO regulations before transporting ocean bulk

**Classification for AIR transport (IATA/ICAO): Proper shipping name** Caustic alkali liquid, n.o.s.(Sodium metasilicate)  
**UN number** UN 1719  
**Class** 8  
**Packing group** III

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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**15. REGULATORY INFORMATION**

**OSHA Hazard Communication Standard** This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312**

Acute Health Hazard

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**Pennsylvania**

Any material listed as “Not Hazardous” in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

**United States TSCA Inventory (TSCA)**

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**16. OTHER INFORMATION**

**Hazard Rating System**

**HMIS**

Health	Flammability	Physical Hazard
<b>3</b>	<b>0</b>	<b>0</b>

**Revision**

Identification Number: 101100520 / A001 / Issue Date: 7/21/2015 / Version: 3.1

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

**Legend**

STEL	Short-Term TWA
US WEEL	USA. Workplace Environmental Exposure Levels (WEEL)

**Information Source and References**

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information by internal references within our company.

**IMPORTANT:** While the descriptions, designs, data, and information contained herein are guidance only because many factors may affect processing or application/use. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data, or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data, or designs provided by consider a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Huntsman Building Solutions. Hereunder are given gratis and Huntsman Building Solutions assumes no obligation or liability for the description, designs, data, and information given or results obtained. All such being given and accepted at your own risk. End of data sheet.