



## SAFETY DATA SHEET

### 1. Product and company identification

Product Name R2 HIGH SOLIDS RINSE  
Product Code: C-R201  
UN/ID No. DOT (US): Not Regulated

#### Recommended use of the chemical

Recommended Use Final Rinse Additive for glasses, china and silverware

Supplier: HD Chem  
707 W. 16<sup>th</sup> St.  
Long Beach, CA 90813  
(888) 443-2436

Print date: August 28, 2018

In case of emergency: Call (888) 443-2436

Product type: Blend

### 2. Hazards identification

Appearance: Blue Physical State: Liquid Odor: Bland Odor

GHS Label Element: This mixture does not meet the GHS criteria for classification

Signal Word: N/A

#### Hazard Statement:

Potential acute health effects:

Eyes: H320 Causes eye irritation  
Skin: H316 Causes mild skin irritation  
Inhalation: H333 May be harmful if inhaled  
Ingestion: H303 May be harmful if swallowed

#### Precautionary Statements – Preventions

Keep away from face, hands and any exposed skin when handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Do not breathe dust/fume/gas/mist/vapors/spray  
Wear protective gloves/protective clothing/eye protection/face protection  
Keep out of Reach of Children!

#### Precautionary Statements – Response

Immediately call a POISON CENTER or doctor/physician  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so.  
Continue rinsing immediately call a POISON CONTROL or doctor/physician  
IN ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IN INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing, immediately call a  
POISON CENTER or doctor/physician

### **Precautionary Statements – Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed  
Keep away from children

### **Precautionary Statements –Disposal**

Dispose of contents/container in accordance with all local, state and federal regulations. Regulations vary by region.

### **Other Hazards**

Overexposure: Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated skin exposure can produce local skin destruction or dermatitis

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## **3. Composition/information on ingredients**

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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

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## **4. First aid measures**

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<b>Eye contact:</b>	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids, Get medical attention immediately.
<b>Skin contact:</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
<b>Inhalation:</b>	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.
<b>Ingestion:</b>	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Protection of first-aiders;</b>	Provide general supportive measures and treat symptomatically. Call an ambulance. Keep victim under observation.
<b>Note to physician</b>	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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## **5. Fire-fighting measures**

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<b>Flash point:</b>	N/A
<b>Flammability of the product:</b>	Auto ignition temperature
<b>Extinguishing media:</b>	Not applicable
<b>Suitable:</b>	Not applicable
<b>Non suitable:</b>	Not determined
<b>Special exposure hazards:</b>	Product is not flammable
<b>Hazardous thermal:</b>	None known
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self –contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent and full protective gear).

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## **6. Accidental release measures**

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<b>Personal precautions:</b>	Ensure adequate ventilation
<b>Environmental precautions:</b>	Try to prevent the material from entering drains or water courses
<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Small spill:</b>	Stop leak if without risk. Move container from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
<b>Large spill:</b>	Stop leak if without risk. Move container from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basement or confined areas. Wash spillage into an effluent treatment plant or proceed as follow. Contain and collect spillage with non-combustible, absorbent material e.g. and, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a license waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section n13 for waste disposal

## 7. Handling and storage

<b>Handling:</b>	Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty container retain product residue and can be hazardous. Do not reuse container.
<b>Storage</b>	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready to use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

**Engineering Controls**      **Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers.**

### Individual-protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Safety glasses are suggested when using this product in heavy use and institutional environments. Care should be taken to avoid eye contact.
<b>Skin and Body Protection</b>	Impervious rubber, alkali-proof protective gloves, impervious rubber boots and apron.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced. NIOSH/MSGA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>General Hygiene considerations</b>	Practice good personal hygiene. Wash after handling. Shower at end of work period. Practice good personal hygiene. Wash after handling.

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid
<b>Color</b>	Blue
<b>pH</b>	1-2
<b>Boiling/condensation point</b>	212 <sup>0</sup> F
<b>Vapor Pressure</b>	Not Determined

Percent volative by weight	N/A
Specific Gravity	Approx. 1
Solubility	Complete
Percent solid by weight	20%
Evaporation (Butylacetate=1)	N/A
VOC	28.94

## 10. Stability reactivity

Stability	Stable
Hazardous polymerization	Will not occur
Conditions to avoid	None
Materials to avoid	None
Hazardous decomposition products	None

## 11. Toxicological information

**Acute toxicity** Not known

### Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache, nausea, vomiting. Prolonged inhalation may be harmful.
Skin Contact	No adverse effects due to skin contact are expected
Eye Contact	Causes eye irritation
Ingestion	May be harmful if swallowed. Do not ingest.

**Product information:** Product does not present an acute toxicity hazard based on known or supplied information

### Chronic Toxicity

**Target organ Effects:** Not classified

## 12. Ecological information

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

**Persistence and degradability** No data is available on the degradability of this product.

## 13. Disposal considerations

**Waste disposal:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Dispose of contents/container in accordance with all local, state and federal regulations. Regulations vary by region.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14. Transport information

**DOT Classification:** DOT (U.S.) Not regulated

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## 15. Regulatory information

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**California Proposition 65:**

This product does not contain any Proposition 65 chemicals

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## 16. Other information

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**HMIS**

**Health Hazards**  
**1**

**Flammability**  
**0**

**Reactivity**  
**0**

**Personal Protection**  
**B**

**Disclaimer**

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet