



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. 16th St.
Long Beach, CA 90813
(888) 443-2436

Print date: August 8, 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

3. Composition/information on ingredients

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

4. First aid measures

Eye contact:	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.
Skin contact:	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.
Inhalation:	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.
Ingestion:	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.
Protection of first-aiders;	Provide general supportive measures and treat symptomatically. Call an ambulance. Keep victim under observation.
Note to physician	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

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

6. Accidental release measures

Personal precautions:	Ensure adequate ventilation
Environmental precautions:	Try to prevent the material from entering drains or water courses

Methods for containment

Small spill:

Prevent further leakage or spillage if safe to do so.

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.

Large spill:

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

Handling:

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.

Storage

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

Eye/Face Protection

Safety glasses are suggested when using this product in heavy use and institutional environments. Care should be taken to avoid eye contact.

Skin and Body Protection

Impervious rubber, alkali-proof protective gloves, impervious rubber boots and apron.

Respiratory Protection

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.

General Hygiene considerations

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

Physical state	Liquid
Color	Blue
pH	3.0
Boiling/condensation point	212 ⁰ F
Vapor Pressure	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 serious 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

15. Regulatory information

California Proposition 65:

 **WARNING!** This product can expose you to chemicals including Propylene oxide; 1,4 Dioxane, Ethylene Oxide which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

16. Other information

<u>HMIS</u>	Health Hazards	Flammability	Reactivity	Personal Protection
	1	1	0	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