

Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier

Product name	HSR High Solids Rinse Additive
Product number	151
Brand	Crown Chemical, Inc.

1.2 Other means of identification

High Solids Rinse Additive

1.3 Recommended use of the chemical and restrictions on use

Machine dishwashing

1.4 Supplier's details

Name	Crown Chemical, Inc.
Address	4701 W. 136th. St. Crestwood, Illinois 60418 U.S.A.
Telephone	708-371-6990
Fax	708-371-6992
email	info@crown-chem.com

1.5 Emergency phone number(s)

800-535-5053

SECTION 2: Hazard identification

General hazard statement

Do not breathe dust or mists. Wear protective rubber gloves and chemical splash goggles when using this product. Mix ONLY with water. Wash thoroughly after handling.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements

Pictogram



1. Exclamation mark

Signal word

Warning

Hazard statement(s)

H315	Causes skin irritation
H319	Causes serious eye irritation

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Precautionary statement(s)

P264	Wash hands & skin thoroughly after handling.
P280	Wear protective gloves/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/Take off immediately contaminated clothing and wash it before reuse. Call a poison control center or doctor for treatment advice if irritation persists.
P321	Specific treatment (see details on label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it 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.

2.3 Other hazards which do not result in classification

None identified

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Irritant Mixture

Hazardous components

1. Isopropanol

Concentration	3 - 8 % (By Weight)
EC no.	414-810-0
CAS no.	67-63-0
Index no.	607-403-00-6

- Flammable liquids, Cat. 2
- Eye damage/irritation, Cat. 2A
- Specific target organ toxicity (single exposure), Cat. 3

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Do not breathe dust or mists. Wear protective rubber gloves and chemical splash goggles when using this product. Mix ONLY with water. Wash thoroughly after handling.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Call a Poison Control Center or doctor for treatment advice.
In case of skin contact	Wash with plenty of water. Take off contaminated clothing and wash before reuse. Call a Poison Control Center or doctor for treatment advice if irritation persists.

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In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice.
If swallowed	Rinse out mouth. Do NOT induce vomiting. Call a Poison Control Center or doctor if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

See Section 11 for additional information.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat exposure symptomatically. In all cases where large quantities have been ingested or inhaled, contact a doctor or Poison Control Center immediately.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, fog or foam.

5.2 Specific hazards arising from the chemical

None known.

5.3 Special protective actions for fire-fighters

Self-contained breathing apparatus.

Further information

Remove all persons from the vicinity. No responsive action should be taken without proper training.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.2 Environmental precautions

Do not allow spilled material to enter sewers, waterways or soil.

6.3 Methods and materials for containment and cleaning up

Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Reference to other sections

Put on appropriate protective equipment (see Section 8).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes, skin or clothing. Avoid inhalation of dust or mists. Use in a well ventilated area. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Keep containers tightly closed when not in use. Store in a well ventilated area between 60-100°F (15- 38°C). Avoid ignition sources.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Isopropyl alcohol (CAS: 67-63-0)

PEL (Inhalation): 400 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 400 ppm, (ST) 500 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 200 ppm, (ST) 400 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Use with adequate ventilation to maintain exposure limits below listed thresholds.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear chemical splash goggles or face shield when using this product.

Skin protection

Wear protective rubber gloves and a long sleeved shirt to prevent contact.

Body protection

Wash thoroughly after use and before eating, smoking, or using the bathroom. Avoid contamination of clothing or shoes, and wash any contaminated items before reuse. If possible, avoid wearing contact lenses when using this product.

Respiratory protection

If inhalable particles of dusts or mists may occur during use, wear NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Blue Liquid
Odor	Characteristic
Odor threshold	No data available
pH	<11.5 (1% solution)
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	Non-Combustible
Evaporation rate	>1.0
Flammability (solid, gas)	No data available
Upper/lower flammability limits	No data available
Vapor pressure	No data available
Vapor density	<1.0
Relative density	>1.0
Solubility(ies)	100% in 120°F Water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	>1.0
Explosive properties	No data available
Oxidizing properties	No data available

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SECTION 10: Stability and reactivity

10.1 Reactivity

Product is not reactive under normal storage and usage conditions. Mix this product ONLY with water.

10.2 Chemical stability

Product is stable under normal storage and usage conditions.

10.3 Possibility of hazardous reactions

Product is not reactive under normal storage and usage conditions.

10.4 Conditions to avoid

Strong oxidizers, bases and acids.

10.5 Incompatible materials

Strong oxidizers, bases and acids.

10.6 Hazardous decomposition products

None are expected under normal storage and usage conditions.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Irritation and possible damage to eyes and skin. Irritation to respiratory tract, mouth, throat and stomach.

Skin corrosion/irritation

Skin contact may cause irritation or pain and redness.

Serious eye damage/irritation

Eye contact may cause irritation or pain, redness and watering.

Respiratory or skin sensitization

Inhalation may cause coughing, choking and respiratory tract irritation.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

No specific data available for this mixture.

Other adverse effects

No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

Disposal of the product

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

Non-regulated Liquid

Note: Certain package sizes of this product may qualify for exceptions to DOT's packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Isopropyl alcohol, CAS number: 67-63-0

New Jersey Right To Know Components

Isopropyl alcohol, CAS number: 67-63-0

Pennsylvania Right To Know Components

Isopropyl alcohol, CAS number: 67-63-0

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:
Isopropyl alcohol, CAS number: 67-63-0

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.