

SAFETY DATA SHEET

Finish Jet-Dry Rinse Aid - Original


HEALTH • HYGIENE • HOME

1. Product and company identification

Product name : Finish Jet-Dry Rinse Aid - Original

Distributed by

: Reckitt Benckiser LLC,
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Emergency telephone number (Medical) : 1-800-338-6167

Emergency telephone number (Transport) : 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec: 703-527-3887

Website: : <http://www.rbnainfo.com>

Product use : Rinse aids for automatic dishwasher (Consumer Use).

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

SDS # : D8258285 v10.0

Formulation # : 8328984 v4.0

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4. First aid measures

Inhalation

- : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

- : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

- : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact : Causes serious eye irritation.
- Inhalation : No known significant effects or critical hazards.
- Skin contact : No known significant effects or critical hazards.
- Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation : No specific data.
- Skin contact : No specific data.
- Ingestion : No specific data.

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

- Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments : No specific treatment.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is

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7. Handling and storage

Precautions for safe handling

- : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage, including any incompatibilities : 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. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Control

Occupational exposure limits

Not applicable.

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection : Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being

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11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/Ingredient name	Result	Species	Dose	Exposure
Alcohols, C12-15-branched and linear, ethoxylated propoxylated (CAS#120313-48-6)	LD50 Oral	Rat	10000 mg/kg	-
sodium cumenesulphonate (CAS#28348-53-0)	LD50 Dermal	Rat	2000 mg/kg	-
citric acid (CAS#77-92-9)	LD50 Oral	Rat	7000 mg/kg	-
	LD50 Oral	Rat	11700 mg/kg	-

Conclusion/Summary : Based on available data, the classification criteria are not met.

Irritation/Corrosion

Product/Ingredient name	Result	Species	Score	Exposure	Observation
Isotridecanol, ethoxylated (CAS#9043-30-5)	Eyes - Iris lesion	Rabbit	5	-	21 days
citric acid (CAS#77-92-9)	Eyes - Cornea opacity	Rabbit	43.33	-	21 days
	Eyes - Edema of the conjunctivae	Rabbit	5.33	-	-
	Skin - Mild irritant	Rabbit	-	24 hours 750 Micrograms	7 days
	Eyes - Severe irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	-	-

Conclusion/Summary

Skin : Based on available data, the classification criteria are not met.

Eyes : Based on Calculation Method: Causes serious eye irritation.

Respiratory : Based on available data, the classification criteria are not met.

Sensitization

Not available.

Conclusion/Summary

Skin : Based on available data, the classification criteria are not met.

Respiratory : Based on available data, the classification criteria are not met.

Mutagenicity

Not available.

Conclusion/Summary

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

Carcinogenicity

Not available.

Conclusion/Summary

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

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11. Toxicological information

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Dermal	>5000 mg/kg

12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Alcohols, C12-15-branched and linear, ethoxylated propoxylated (120313-48-6)	Acute LC50 1 to 10 mg/l	Fish	96 hours
sodium cumenesulphonate (CAS#28348-53-0)	Chronic NOEC >0.1 mg/l Acute EC50 230 mg/l	Daphnia Algae - Pseudokirchnerella subcapitata	21 days 96 hours
citric acid (CAS#77-92-9)	Acute EC50 54 mg/l Acute LC50 1000 mg/l Acute LC50 160000 µg/l Marine water	Daphnia magna, mobility Fish - Oncorhynchus mykiss Crustaceans - Carcinus maenas - Adult	48 hours 96 hours 48 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Alcohols, C12-15-branched and linear, ethoxylated propoxylated (CAS#120313-48-6)	-	>60 % - Readily - 28 days	-	-
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
Alcohols, C12-15-branched and linear, ethoxylated propoxylated (CAS#120313-48-6) sodium cumenesulphonate (CAS#28348-53-0)	-	-	Readily	Readily

Bioaccumulative potential

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15. Regulatory information

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined
 United States inventory (TSCA 8b): All components are listed or exempted.
 Clean Water Act (CWA) 307: Acetic acid, zinc salt, hydrate (2:1:2)
 Clean Water Act (CWA) 311: sodium hydroxide; ammonia, anhydrous; Acetic acid, zinc salt, hydrate (2:1:2)

Clean Air Act Section 112 : Listed
 (b) Hazardous Air Pollutants (HAPs)
 Clean Air Act Section 602 : Not listed
 Class I Substances
 Clean Air Act Section 602 : Not listed
 Class II Substances
 Clean Air Act Section 602 : Not listed
 Class II Substances
 DEA List I Chemicals (Precursor Chemicals) : Not listed
 DEA List II Chemicals (Essential Chemicals) : Not listed
 SARA 302/304

Composition/Information on Ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
ammonia, anhydrous	0.0000025	Yes.	500	-	100	-

SARA 304 RQ : 4000000000 lbs / 1816000000 kg [454726489.5 gal / 1721327014.2 L]

SARA 311/312

Classification : SERIOUS EYE DAMAGE - Category 1

Composition/Information on Ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Alcohols, C12-15-branched and linear, ethoxylated propoxylated isotridecanol, ethoxylated sodium cumenesulphonate citric acid	≥5 - <10 ≥5 - ≤10 ≥1 - ≤5 ≥1 - ≤5	No. No. No. No.	No. No. No. No.	No. No. No. No.	Yes. Yes. Yes. Yes.	No. No. No. No.

State regulations

Massachusetts : None of the components are listed.
 New York : None of the components are listed.

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16. Other information

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Key to abbreviations

: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations
HMIS Health Hazard 1 = Irritation or minor reversible injury possible.
NFPA Health Hazard 1 = Exposure would cause irritation with only minor residual injury.

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Indicates information that has changed from previously issued version.

Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

