



# MATERIAL SAFETY DATA SHEET

Print date: 06/25/2008

Document code: D0011953

## 1. PRODUCT AND COMPANY IDENTIFICATION

**TDS Product codes:** Green Apple Vinegar: 0209134 (1402-100)  
Original: 0186240 (1402-064)

**Product name:** **FINISH® JET-DRY® RINSE AGENT, ALL SCENTS**

**Product Description:** Automatic Dishwasher Liquid Rinse Aid with Shine Booster

**Product Identifier:** not available

**UPC codes:**  
Original:  
51700-36565 (4.22 oz.)  
51700-78826 (16 oz.)  
51700-81325 (23 oz.)  
51700-78761 (32 oz.)  
  
Green Apple Vinegar:  
51700-75683 (8.45 oz)

**Synonyms:** No information available

**Chemical characterisation:** Aqueous solution of surfactants

**Manufacturer:** Reckitt Benckiser North America Inc.  
Morris Corporate Center IV  
399 Interpace Parkway (P.O. Box 225)  
Parsippany, N.J. 07054-0225

**Transportation Emergencies:** 1-800-424-9300 (U.S. & Canada)  
Outside North America Chemtrec:703-527-3887

**Emergency Telephone number:** 1-800-228-4722

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %	Exposure Limits: TLV/PEL
Nonionic Surfactant	120313-48-6	5 – 15 %	Not available
Polymer	Trade secret	1 – 5 %	Not available
Sodium Cumenesulfonate	28348-53-0	1 – 5 %	TWA: 6 mg/m3 (Huels AG Marl)

Further ingredients: fragrance & colorants as being typical per variant, preservatives



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### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

CAUTION: MAY CAUSE EYE AND SKIN IRRITATION.  
Avoid contact with eye and skin.  
Wash hands immediately after use.

**KEEP OUT OF REACH OF CHILDREN**

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air.
<b>Skin contact:</b>	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician
<b>Ingestion:</b>	Rinse mouth. NEVER give anything by mouth to an unconscious person. Consult a physician or Poison Control Centre if necessary.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. If symptoms develop or persist seek medical advice. Remove any contact lenses.
<b>Notes to physician:</b>	No information available.
<b>Aggravated Medical Conditions:</b>	No information available.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	As for surrounding fire.
<b>Extinguishing media which must not be used for safety reasons:</b>	No information available.
<b>Specific hazards:</b>	Not applicable.
<b>Unusual hazards:</b>	None known.
<b>Special protective equipment for firefighters:</b>	Wear self contained breathing apparatus and protective clothing appropriate for fire fighting if necessary.
<b>Specific methods:</b>	Use water spray, foam, dry chemical or carbon dioxide, as suitable for the surrounding fire.
<b>Flash point:</b>	CLOSED CUP: Higher than 93.3 °C (> 200 °F).
<b>Autoignition temperature:</b>	No information available.



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## Flammability Limits in Air:

Lower  
Upper

No information available  
No information available

**NFPA:** Health: 1

**Flammability:** 0

**Instability:** 0

**HMIS:** Health: 1

**Flammability:** 0

**Physical Hazard:** 0

### Key:

See also section 3

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment.

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Accidental Spill:**  
Clean-up methods - small spillage:  
Wearing rubber gloves and eye protection, carefully absorb with wet paper towels and rinse surface. Discard into a suitable waste container for disposal as a household waste.  
Clean-up methods - large spillage:  
Wearing rubber gloves and eye protection, carefully collect and dispose of according to local and regional authority requirements. Remaining residues could be rinsed using plenty of water.

## 7. HANDLING AND STORAGE

**Handling:** CAUTION: MAY CAUSE EYE AND SKIN IRRITATION.  
Wear safety goggles and rubber gloves when handling.

**Storage:** Store in original container in areas inaccessible to small children and pets.  
KEEP OUT OF REACH OF CHILDREN.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:** none required

### Personal Protective Equipment

**Respiratory protection:** Self-contained breathing apparatus (SCBA).

**Hand protection:** Wear impermeable gloves when handling. Emergency responders should wear impermeable gloves.

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.



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**Eye protection:** Wear safety glasses with side shield if the possibility of splashing exists. Emergency responders should wear full eye and face protection

**Hygiene measures:** Avoid contact with skin, eyes and clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.  
**Appearance:** Liquid.  
**Colour:** Green apple vinegar: Green  
Orange scent: orange  
Lemon Scent: yellow  
Original: blue

**Odour:** Slightly perfumed, as been typically per variant

**Boiling point/range:** Above 212 °F (100 °C)  
**Melting point:** Below 32 °F (0 °C)  
**pH:** 2.9 – 3.1 (100%)  
**Flash Point (closed cup):** Above 203 °F (95 °C)  
**Autoignition temperature:** No information available.  
**Density:** 1.01 – 1.03 g/l  
**Vapor density:** Not determined.  
**Vapour pressure:** Not determined.  
**VOC content(%):** No information available.

**Explosion limits:**

- upper: No data available.  
- lower: No data available.

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Polymerization:** Hazardous polymerisation does not occur.

**Hazardous decomposition products:** Oxides of carbon and unknown organic compounds.

**Materials to avoid:** Do not mix with other household chemicals

**Conditions to avoid:** Direct heating, dirt, chemical contamination, sunlight, ultraviolet (UV) or ionizing radiation.

### 11. TOXICOLOGICAL INFORMATION



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### Acute toxicity

### Component Information

### Product Information

LC50/inhalation/4h/rat = No information available.  
LD50/dermal/rabbit = No information available.  
LD50/oral/rat = Above 5000 mg/kg bodyweight (calculated based on raw material data)

### Local effects

**Skin irritation:** May irritate the skin  
**Eye irritation:** May irritate the eyes  
**Inhalation** None expected during normal conditions of use  
**Ingestion** May irritate mouth, throat and stomach.  
**Sensitization** Not expected to be a skin sensitiser  
**Chronic toxicity:** No information available

### Specific effects

**Carcinogenic effects:** Not listed as carcinogenic by OSHA, NTP or IARC  
**Mutagenic effects:** No information available  
**Reproductive toxicity:** No information available  
**Target organ effects:** No information available

Information is based on data on the components and the toxicology of similar products

## 12. ECOLOGICAL INFORMATION

### Product Information

**Mobility:** Not applicable.  
**Bioaccumulative potential:** Not applicable.  
**Ecotoxicity effects:** No data available.  
**Aquatic toxicity:** No information available.

### Other information

The surfactants included are readily biodegradable and do comply with the EU Detergent regulation 648/2004/EC.



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Ozone depletion potential; ODP; (R-11 = 1) =  
Global warming potential (GWP) =  
Additional ecological information:

No information available.  
No information available.  
The product would not classify as dangerous for the environment in European Union following EU Dangerous Preparations directive 1999/45/EC.

## 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of in accordance with local regulations.

Contaminated packaging:

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

General remark

Not classified as dangerous following DOT, TDG (Canada), IMDG, ICAO and ADR/RID transport regulations.

## 15. REGULATORY INFORMATION

### International Inventories

Components	PICCS:	TSCA:	DSL:	ENCS:	CHINA:	AICS:	EINECS-No
Nonionic Surfactant	Present	Present	Present	No	Present	Present	n.a.
Sodium Cumenesulfonate	Present	Present	Present:	No	Present	Present	248-983-7

### U.S. Regulations:

Sara Title III, Section 313 Toxic Chemical Notification & Release Reporting: None

California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act: None

### Canada

WHMIS hazard class: Not controlled under WHMIS



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## 16. OTHER INFORMATION

National Fire Protection Association  
(U.S.A.):



HMIS (U.S.A.):

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

Reason for revision:

New formulation, SEE SECTION 2.  
Replaces previous document:  
D0011953 (release 3), dd. 10.12.2007

Additional advice:

Consult your supplier if the material is to be used for special applications such as in the food industry or for hygiene, medical or surgical end-use.

Prepared by:

Regulatory Department

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