



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

Inhalation:	Move to fresh air.
Skin contact:	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician
Ingestion:	Rinse mouth. NEVER give anything by mouth to an unconscious person. Consult a physician or Poison Control Centre if necessary.
Eye contact:	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.
Notes to physician:	No information available.
Aggravated Medical Conditions:	No information available.

5. FIRE-FIGHTING MEASURES

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