

## Safety Data Sheet

### SECTION 1. Identification of the substance or mixture and of the company / undertaking

#### 1.1. Product identifier

Code: BRILL03

UFI CODE: 8410-F0NJ-H00K-0AMT

Name RINSE AID DRY & SHINE ECOZONE

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Description / Use LIQUID RINSE AID FOR DISHWASHERS

#### 1.3. Details of the supplier of the safety data sheet

Company: Ecozone

Address Loc.: Barley Mow Centre, 10 Barley Mow Passage, Chiswick, W4 4PH

District and Country: London

tel. 03452304200

fax 08452304220

e-mail address of the person responsible,  
responsible for the safety data sheet: trade@ecozone.com

#### 1.4. Emergency telephone number

For urgent inquiries refer to 0345 230 4200 10am-4pm

### SECTION 2. Hazards identification.

#### 2.1. Classification of the substance or mixture.

The product is classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments). The product therefore requires a safety data sheet in compliance with the provisions of Regulation (EU) 2015/830. Any additional information concerning risks to health and / or the environment are reported in the sec. 11 and 12 of this sheet.

Classification and hazard statements:

Eye irritation, category 2 H319 Causes serious eye irritation.

#### 2.2 Label's elements.

Danger labelling under Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Hazard pictograms:



Warnings: warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P101 If medical advice is needed, please have the product container or label

P102 Keep out of reach of children.

P264

Wash hands thoroughly after handling.

P280

Wear protective gloves/protective clothing/eye protection/face protection.



### 5.3. Recommendations for fire-fighters

#### GENERAL INFORMATIONS

Cool the containers with water jets to avoid decomposition of the product and the development of substances potentially hazardous for health. Always wear the complete fire protection equipment. Collect extinguishing water that must not be discharged into drains. Dispose of contaminated water used for extinction and the remains of the fire according to the regulations in force.

#### EQUIPMENT

Normal fire fighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant (EN469), flame retardant gloves (EN 659) and boots for firefighters (HO A29 or A30).

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger.

Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of the skin, eyes and personal clothing. These indications are valid both for workers involved in the work and for emergency interventions.

### 6.2. Environmental precautions

Prevent the product from entering sewers, surface waters, water tables.

### 6.3. Methods and materials for containment and remediation

Vacuum the leaked product into a suitable container. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Ensure adequate ventilation of the area affected by the loss. Disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

### 6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13. SECTION

7. Handling and storage

#### 7.1. Precautions for Safe Handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering areas where you eat.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Keep the containers closed, in a well-ventilated place, away from direct sunlight. Keep the containers away from any incompatible materials, checking section 10.

#### 7.3. Specific end uses

Information not available

## SECTION 8. Exposure controls / personal protection

### 8.1. Control parameters

Information not available

### 8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration.

For the selection of personal protective equipment, ask your chemical suppliers for advice.

Individual protection devices must bear the CE mark attesting to their compliance with current regulations.

Provide emergency shower with visocular tray.

#### HAND PROTECTION

Protect your hands with category III work gloves (ref. Standard EN 374).

For the final choice of material for work gloves, the following must be considered: compatibility, degradation, breakage time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is unpredictable. Gloves have a wear time that depends on the duration and mode of use.

#### SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use of category I (ref. Regulation 2016/425 and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

#### EYE PROTECTION

We recommend wearing protective airtight goggles (ref. Standard EN 166).

## RESPIRATORY PROTECTION

If the threshold value (eg TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is advisable to wear a mask with type B filter whose class (1, 2 or 3) must be chosen in relation to the concentration limit of use. (ref. standard EN 14387). If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.) combined type filters must be provided.

The use of respiratory protective equipment is necessary if the technical measures adopted are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. The protection offered by the masks is however limited.

In the event that the considered substance is odorless or its olfactory threshold is higher than the relative TLV-TWA and in case of emergency, wear an open circuit compressed air breathing apparatus (ref. Standard EN 137) or a breathing apparatus outdoor air (ref. standard EN 138). For the correct choice of the respiratory protection device, refer to the EN 529 standard.

## ENVIRONMENTAL EXPOSURE CHECKS

Emissions from production processes, including those from ventilation equipment, should be checked for compliance with environmental protection regulations.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Liquid Physical State

No color

No Odor

Odor threshold Not available pH

2,5 – 3,5

Melting or freezing point 0 ° C

Initial boiling point Not available

Boiling range Not available

Flash point Not available

Evaporation rate Not available

Flammability of solids and gases Not available

Lower inflammability limit Not available

Upper flammability limit Not available

Lower explosive limit Not available

Upper explosive limit Not available

Vapor pressure Not available

Vapor density Not available

Relative density Not available

Solubility soluble in water

Partition coefficient: n-octanol / water: Not available

Auto-ignition temperature Not available

Decomposition temperature Not available

Viscosity Not available

Explosive properties Not available

Oxidising properties Not available

### 9.2. Other information

Information not available

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of dangerous reactions

In normal use and storage conditions dangerous reactions are not predictable.

### 10.4. Conditions to avoid

None in particular. However, follow the usual precautions against chemical products.

### 10.5. Incompatible materials

Information not available

### 10.6. Hazardous decomposition products

Information not available

## SECTION 11. Toxicological information

In the absence of experimental toxicological data on the product itself, the possible dangers of the health product have been assessed on the basis of the properties of the substances contained, according to the criteria set by the reference legislation for classification.

Therefore, consider the concentration of the individual dangerous substances possibly mentioned in section. 3, to assess the toxicological effects deriving from exposure to the product.

### 11.1. Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed and chronic effects deriving from short and long term exposure

Information not available

Interactive effects

Information not available

#### ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not

classified (no relevant component)

LD50 (Oral) of the mixture: Not

classified (no relevant component)

LD50 (Cutaneous) of the mixture:

Not classified (no relevant component)

#### CITRIC ACID MONOHYDRATE

LD50 (Oral) 5400 mg / kg mouse

LD50 (Cutaneous)> 2000 mg / kg

#### CUMENSOLFONATO DI SODIO

LD50 (Oral)> 7000 mg / kg mouse

LD50 (Cutaneous)> 2000 mg / kg

Alcohols, C12-C14 ethoxylated, propoxylated

LD50 (Oral)> 2000 mg / kg rat

#### SKIN CORROSION / SKIN IRRITATION

Does not meet the classification criteria for this hazard class

#### SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye irritation

#### RESPIRATORY OR CUTANEOUS AWARENESS

Does not meet the classification criteria for this hazard class

#### MUTAGENICITY ON GERMINAL CELLS

Does not meet the classification criteria for this hazard class

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

#### TOXICITY FOR REPRODUCTION

Does not meet the classification criteria for this hazard class

#### SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

#### SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### DANGER IN CASE OF SUCTION

Does not meet the classification criteria for this hazard class

## SECTION 12. Ecological information

Since no specific data is available on the preparation, use according to good working practices, avoiding dispersing the product in the environment. Avoid dispersing the product in the soil or water courses. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation. Take measures to minimize the effects on the aquifer.

### 12.1. Toxicity

#### SODIUM CUMENSULFONATE

LC50 - Fish > 1000 mg / l / 96h

EC50 - Crustaceans > 1000 mg / l / 48h Daphnia

Alcohols, C12-C14 ethoxylated, propoxylated

LC50 - Fish > 1 mg / l / 96h

### 12.2. Persistence and degradability

The surfactants contained in this formulation comply with the biodegradability criteria established by Regulation (EC) n. 648/2004 relating to detergents.

Surfactant Information

Persistence / Biodegradation

Test method: OECD 301

Evaluation: easily biodegradable Soluble  
in water.

### 12.3. Bioaccumulation potential

Information not available

### 12.4. Mobility in the soil

Information not available

### 12.5. Results of PBT and vPvB assessment

Based on the available data, the product does not contain PBT or vPvB substances in percentage higher than 0.1%.

PBT substances: none VPvB substances:  
none.

### 12.6. Other adverse effects

No one.

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

Reuse, if possible. Product residues are to be considered special hazardous waste. The dangerousness of the waste that partly contains this product must be assessed according to the laws in force.

Disposal must be entrusted to an authorized waste management company, in compliance with national and local regulations.

#### CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

Recover if possible.

For the disposal of the uncleaned / reclaimed product or containers, contact companies expressly authorized to manage waste (recovery or disposal of hazardous waste).

The cleaned / reclaimed containers must be disposed of / recovered as special waste.

Never discharge the product in surface or underground water.

Where applicable, refer to the following regulations: 91/156 / EEC, 91/689 / EEC, 94/62 / EC and subsequent amendments.

## SECTION 14. Transport information

The product is not to be considered dangerous under the provisions in force regarding the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

**14.1. UN number**

Not applicable

**14.2. UN shipping name**

Not applicable

**14.3. Hazard classes related to transportation**

Not applicable

**14.4. Packing group**

Not applicable

**14.5. Environmental hazards**

Not applicable

**14.6. Special precautions for users**

Not applicable

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC code** Not relevant information

## **SECTION 15. Regulatory information**

**15.1. Legislative and regulatory provisions on health, safety and the environment specific to the substance or mixture**

Seveso category - Directive 2012/18 / EC: None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006

Substances in Candidate List (Art. 59 REACH):

Based on the available data, the product does not contain SVHC substances in a percentage higher than 0.1%.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (CE) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Workers exposed to this hazardous chemical agent must be subjected to health surveillance carried out in accordance with the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the safety and health of the worker has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.

**15.2. Chemical safety assessment**

A chemical safety assessment for the mixture / for the substances indicated in section 3 has not been processed

## **SECTION 16. Other information**

Text of the hazard indications (H) mentioned in sections 2-3 of the sheet:

Eye Irrit. 2 Eye irritation, category 2

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3 H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

#### LEGEND:

- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived level without effect
- EmS: Emergency Schedule
- GHS: Global harmonized system for the classification and labeling of chemical products
- IATA DGR: Regulation for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subjected to tests
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in the Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: 50% lethal dose
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable no-effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any time of occupational exposure. - TWA STEL: Short-term exposure limit
- TWA: Average weighted exposure limit - VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH - WGK: Class of aquatic hazard (Germany).

#### GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2018/1480 (XIII Atp. CLP)

- The Merck Index. - 10th Edition

- Handling Chemical Safety

- INRS - Fiche Toxicologique (toxicological sheet)

- Patty - Industrial Hygiene and Toxicology

- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

- IFA GESTIS website

- ECHA Agency Website

- Database of chemical substance SDS models - Ministry of Health and National Institute of Health Note to the user.

The information contained in this sheet is based on the knowledge available from us at the date of the latest version. The user must make sure of the suitability and completeness of the information in relation to the specific use of the product. This document must not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force concerning hygiene and safety under his own responsibility. No liability is assumed for improper use.

Provide adequate training to the personnel involved in the use of chemical products.