

Safety Data Sheet

DATE : 02 : 07 : 2001


REVISION (see box 16)

ISSUE NO : 04

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME	: VORTEX NEW LEMON
DESCRIPTION	: A yellow liquid with a lemon fragrance, for use in the Vortex Airfreshener Unit.
COMPANY	: Rentokil Initial UK Ltd, Medical Services Division, Felcourt, East Grinstead, West Sussex. RH19 2JY. England. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229 For latest version see, web: www.ri-research.com and click on Technical Information / Product Safety.

2. HAZARDS IDENTIFICATION

CLASSIFICATION (SUPPLY - Use): UK CHIP 2000 (The Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations, 2000) / EC Directive 88/379.	DANGER SYMBOL (UK CHIP 2000) : (Black on orange background)
X_i - IRRITANT : R38 : Irritating to skin.	
SYMPTOMS AND EFFECTS (see also box 11) : Irritating to skin and may cause irritation to eyes. Ingestion may result in irritation of the digestive system. Excessive inhalation of the vapours may cause irritation to the respiratory system.	

3. COMPOSITION / INFORMATION ON INGREDIENT(S)

% w/w	COMMON*/CHEMICAL NAME AND CAS No OF INGREDIENT(S)	UK CHIP 2000/EC 88/379 CLASSIFICATION OF INGREDIENT(S)
> 50 ≤ 100	Multi-component mixture of natural and synthetic aromatic materials.	X _i - Irritant : R38 : Irritating to the skin.

4. FIRST-AID MEASURES (see also "symptoms and effects" in box 2)

INHALATION (Breathing)	: Remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary and seek medical attention.
EYE CONTACT	: Rinse affected eye with clean running water, or eyewash solution, for at least 15 minutes holding eyelids well apart. Rinse entire surface and do not allow run-off to contaminate unaffected eye. Seek medical attention.
SKIN CONTACT	: Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and water. If the patient feels unwell seek medical advice.
INGESTION (Swallowing)	: Do NOT induce vomiting. If unconscious place in the recovery position and apply supportive measures if necessary. If conscious give patient up to 1 pint of water to drink. Seek medical attention.
EMERGENCY EQUIPMENT SUGGESTED	: Appropriate first-aid equipment should be provided. For the UK this should be in accordance with the Health & Safety (First-Aid) Regulations 1981. See also the Approved Code of Practice "First-aid at Work".
NOTE TO DOCTOR	: For further information contact the National Poisons Information Service in the UK.

5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHER - TYPES	: Use carbon dioxide, dry chemical or foam. DO NOT use water-jets.
SPECIAL FIRE-FIGHTING PROCEDURES	: Wear suitable personal protective equipment.
SPECIAL EXPOSURE HAZARDS	: Carbon monoxide and unidentified organic compounds may be formed during combustion.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS (see also box 8)	: Wear suitable personal protective equipment. Remove all sources of ignition. Provide adequate ventilation and avoid excessive inhalation of vapours.
PROCEDURE (see also box 13)	: Absorb with an inert material such as sand, earth or sawdust. Transfer into a suitable container for subsequent disposal. DO NOT contaminate watercourses or ground.

7. HANDLING AND STORAGE (see also box 8)

HANDLING	: Avoid contact with skin and eyes. Wear suitable gloves. Avoid excessive inhalation of vapours.
STORAGE	: Store in original container in a cool, dry, ventilated place out of reach of children and away from food, drink and animal feeding stuffs. Protect from frost and store away from direct sunlight. Do not store in plastic or uncoated metal containers. Ensure adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (see also box 7)

OCCUPATIONAL EXPOSURE LIMITS	: Not assigned under EH40/2001
ENGINEERING CONTROLS	: Where prevention of exposure is not reasonably practicable, adequate control of exposure should be achieved by engineering controls rather than the provision of personal protective equipment and clothing. Suitable and approved personal protective equipment and clothing may include the following item(s):
EYE PROTECTION	: Wear suitable eye protection such as goggles or a face shield.
HAND PROTECTION	: Wear suitable hand protection such as chemical-resistant gloves.
SKIN PROTECTION	: Wear suitable skin protection such as coveralls.
BREATHING PROTECTION	: None necessary under normal working conditions. However avoid excessive inhalation of vapours.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR	: A yellow liquid with a lemon fragrance.		
FLASH POINT	: >80°C	SOLUBILITY IN WATER	: Not determined
FLAMMABILITY	: Non flammable, however can support combustion.	SOLUBILITY IN FAT	: Not determined.
AUTOFLAMMABILITY	: Not determined.	PARTITION COEFFICIENT	: Not applicable.
VAPOUR PRESSURE	: Not determined.	BOILING POINT/RANGE	: Not determined.
SPECIFIC GRAVITY	: Not determined.	MELTING POINT/RANGE	: Not applicable.
		pH	: Not applicable.
OXIDISING PROPERTIES	: None known.		
EXPLOSIVE PROPERTIES	: None known.		
OTHER DATA	: None known.		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	: Avoid extremes of temperature, e.g. below 0°C and above 40°C. Protect from frost.
MATERIALS TO AVOID	: Avoid contact with strong acids, alkalis and oxidising agents.
HAZARDOUS BREAKDOWN PRODUCTS	: Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. TOXICOLOGICAL INFORMATION (see also box 2)

INHALATION	: Excessive inhalation of the vapours may result in irritation to the respiratory system.
INGESTION	: Ingestion may result in irritation to the digestive system.
SKIN CONTACT	: Irritating to skin.
EYE CONTACT	: Contact with eyes may cause irritation.
CHRONIC EFFECTS (DUE TO LONG/REPEATED EXPOSURE)	: None known

12. ECOLOGICAL INFORMATION

GENERAL INFORMATION	: DO NOT contaminate watercourses or ground.
ECOTOXICITY DATA	: The full ecotoxicological profile of this product has not been evaluated. Do not contaminate the environment.
ENVIRONMENTAL CONSIDERATIONS	: This product does not contain any substances which are classified as dangerous to the environment. Thus, when supplied, used and disposed of as directed this product is not expected to present a danger to the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE	: Waste should be disposed of in accordance with local, State or National requirements.
DISPOSAL OF CONTAINERS	: Empty containers should be disposed of in accordance with local, State or National requirements.
UK SPECIAL WASTE REGULATIONS, 1996	: <u>Hazard Code</u> : Not applicable. <u>Components making the waste special and their concentrations</u> : Not applicable.
NOTE FOR DISPOSAL	: Disposal should be in accordance with local, State or National requirements. For further advice about disposal, in the UK, contact the local office of the Environment Agency (England and Wales) or Scottish Environment Protection Agency. Local rate from anywhere in the UK : 0645 333111.

14. TRANSPORT INFORMATION (International unless otherwise indicated)

<u>UN NUMBER</u> : Not required.	<u>UK HAZCHEM EAC</u> : Not required.	<u>ADR HIN</u> : Not required.	<u>ADR SIN</u> : Not required.
<u>UK CDGRoad Transport Category</u> : Not required.	<u>Tremcard Reference No.</u> : Not required.	<u>IMDG EMS</u> : Not required.	<u>IMDG MFAG Table No.</u> : Not required.
<u>UK CDGCPL2 CARRIAGE</u> : LIMITED QUANTITY EXEMPTIONS : SPECIAL REQUIREMENTS : LABELS :	Not classified. Not required. Not required. Not required.		
<u>IMDG (SEA) CARRIAGE</u> : LIMITED QUANTITY EXEMPTIONS : SPECIAL REQUIREMENTS : LABELS :	Not classified. Not required. Not required. Not required.		
<u>ADR (ROAD) CARRIAGE</u> : LIMITED QUANTITY EXEMPTIONS : SPECIAL REQUIREMENTS : LABELS :	Not classified. Not required. Not required. Not required.		

15. REGULATORY INFORMATION

INDICATION OF DANGER	HEALTH AND SAFETY INFORMATION (see also box 2)
X_i - IRRITANT : R38 : Irritating to skin.	
SAFETY PHRASES : S24 : Avoid contact with skin. S35 : This material and its container must be disposed of in a safe way. S37 : Wear suitable gloves. S46 : If swallowed, seek medical advice immediately and show this container or label.	
LEGISLATION : This product is classified, in the UK, under The Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations, 2000 (CHIP 2000), as dangerous for supply. This product is not classified, in the UK, under the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles CDGCPL2 Regulations 1996, as dangerous for carriage.	

16. OTHER INFORMATION and indications of revisions

<p>The information given on this Safety Data Sheet (SDS) does not constitute an assessment in accordance with the Control of Substances Hazardous to Health (COSHH) Regulations 1999.</p> <p>Changes have been made to the content of boxes 1, 2, 3, 7, 8, 9, 11, 12, 13, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 03.</p>

SDS No.520

VORTEX NEW LEMON

PAGE : 4 of 4

<p>Before using any product, ensure that you read and understand its label.</p> <p>The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Rentokil Initial UK Ltd is not liable for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.</p>
