

DO 211

Deodorant

Powerful deodorising agent and cleaner

- Pleasant odour
- Concentrated
- Natural Cleaners/Deodorisers
- Non-staining



Problem: Deodorisers that leave unpleasant chemical smells behind

Solution: DO 211 leaves a pleasant citrus scent in the air.

Problem: High cost of some deodorisers

Solution: DO 211 is highly concentrated for economical dilution rates.

Problem: Time-consuming two-step processes to clean and deodorise surfaces

Solution: DO 211 cleans as well as deodorises; saving time and labour.

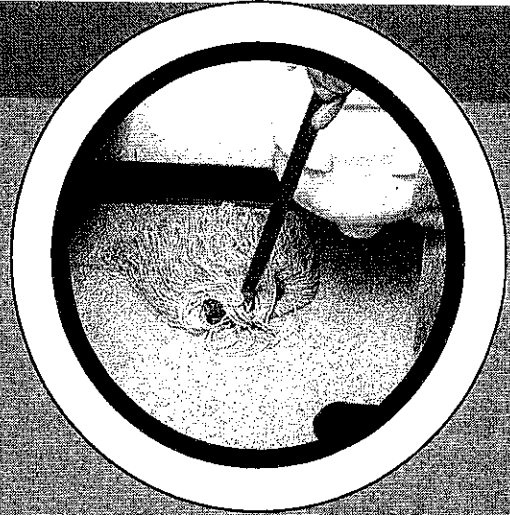
Problem: Deodorisers that are difficult or awkward to use

Solution: DO 211 is water emulsifiable for ease and versatility of use.

APPLICATION AREAS

DO 211 can be used on all surfaces that can be washed with water. It is ideal for:

- Animal cages
- Carpeting (in shampoo solution)
- Drapery and upholstery
- Kitchen surfaces
- Atmosphere (by fogging)
- Final rinse cycle in laundry
- Locker rooms
- Manure piles
- Sewage settling beds
- Toilets (urinals, commodes, floors, walls)
- Rubbish and waste disposal units



DIRECTIONS

Dilute up to 1:256 (20ml in 5L) with water for ordinary problems; more concentrated for difficult situations.

Requires no rinsing and can be used on any water-washable surface.

Just add to cleaning solution for application to save steps while you clean.

Apply with mop, cloth, sprayer or fogger.

TECHNICAL SPECIFICATIONS

Appearance	Green liquid
Specific gravity	0.86
Odour	Citrus
Solubility in water	Soluble

REMARKS

Consult the label for full instructions and precautions before using this product.

SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: DO 211 (UK)
Product code: 101810R4.

Company/undertaking identification:

Registered company name: NCH UK LTD
Address: NCH House, Springvale Avenue, Bilston
Telephone: 01902 510202. Fax: 01902 510341. Telex: technical_uk@nch.com

Emergency telephone No.: 01902 510331

Association/Organisation: A Division of NCH UK Ltd

Use of the substance/preparation:

..Deodoriser and cleaner

2 - IDENTIFICATION OF HAZARDS

This product is classed: Flammable.
Possibility of serious lesions to the eyes.
Possibility of irritation to the skin.
Possibility of skin sensitisation. The preparation may also irritate the skin and prolonged contact may aggravate this effect.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

INDEX	CAS	EC	Name	Symb.	R:	%
601-029-00-7	138-86-3	205-341-0	DIPENTENE	Xi N	10 38 43 50/53	50 <= x % < 100
C26183.52.8	26183-52-8		DECYL ALCOHOL-3 EO	Xi	38 41	10 <= x % < 25

Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
C9005.65.6	9005-65-6		PEG-5 SORBITAN OLEATE	Xi	36/38	2.5 <= x % < 10

Substances present at a concentration below the minimum danger threshold:

No known substance in this category present.

Other substances with occupational exposure limits:

No known substance in this category present.

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

In the event of splashes or contact with eyes:

Rinse the eyes with water. Remove any contact lense and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops.

In the event of splashes or contact with skin:

DO NOT use solvents or thinners.

Wash affected area with plenty of water for several minutes. Remove contaminated clothing and shoes. Seek medical attention if irritation develops.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep still. DO NOT induce vomiting.

Call a doctor immediately and show him the label.

5 - FIRE-FIGHTING MEASURES

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Suitable extinguishing media:

Carbon dioxide, chemical powders, foams, and other extinguishing gases.

Extinguishing media which must not be used for safety reasons:

Water jet.

Special protective equipment for fire-fighters:

Firefighters should wear self contained breathing apparatus and full protective clothing.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Anyone with a history of skin sensitisation must on no account handle such products

Handling:

Handle in well-ventilated areas.

Usage: Ready to use or to be diluted.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Packages which have been opened must be reclosed carefully and stored in an upright position

Avoid inhaling vapors.

Product must not come into contact with the eyes

Prohibited equipment and procedures:

Smoking, eating and drinking are not recommended whilst using this product.

Storage:

Keep the container tightly closed in a dry place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Anyone with a history of skin sensitisation must on no account handle such products.

Technical measures:

Provide free access to fresh water

Ensure adequate ventilation

Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

Due to the solvents present, it is recommended that neoprene rubber or nitrile rubber gloves be worn

Eye and face protection:

Safety glasses if the method of use presents the likelihood of eye contact.

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: fluid liquid

Important health, safety and environmental information:

pH of the substance or preparation: not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range: 180 °C.

Flash point interval: 23°C. < Flash point: <= 55°C.

Flash point: 45.00 °C.

vapour pressure: not relevant.

Density: < 1

water solubility: Dilutable.

Other information:

melting point/melting range: not relevant.

Self-ignition temperature: not relevant.

Decomposition point/decomposition range : not relevant.

% VOC: 80%

Colour Green

Odour Characteristic - Strong

Density 0.850 - 0.899 g/cm3

10 - STABILITY AND REACTIVITY

Hazardous decomposition products:

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide

11 - TOXICOLOGICAL INFORMATION

In the event of exposure by inhalation:

Upon inhalation of mist this product:

-Causes irritation of respiratory tract, seen as coughing and sneezing.

-Causes headaches, dizziness and nausea.

In the event of swallowing:

May cause gastrointestinal irritation seen as nausea, vomiting and diarrhoea.

In the event of splashes or contact with skin:

Causes irritation seen as itching and redness.

May cause sensitisation by skin contact

In the event of splashes or contact with eyes:

Causes severe irritation seen as tearing, redness and a burning sensation

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

Mobility:

Emulsifiable in water.

Persistence and degradability:

The surfactants used in the preparation comply with the minimum 80% biodegradability requirements of EEC 82/242 and EEC 82/243

Ecotoxicity:

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Dispose of in accordance with local regulations.

Packaging: Dispose of in accordance with local regulations.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

14 06 03 * other solvents and solvent mixtures

14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2007 - IMDG 2006 - ICAO/IATA 2007).

UN2319=TERPENE HYDROCARBONS, N.O.S.

Marine Pollutant P

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.		
3		F1	III	3	30	LQ7	-		
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.			
3		-	III	5 L	F-E,S-D	944			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	
3		-	III	309	60 L	310	220 L	-	
3		-	III	Y309	10 L	-	-	-	

15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/BEC (Hazardous substances) have been taken into account.

Preparation classification:

Irritant.



Dangerous for the environment.



Flammable.

Contains:

601-029-00-7
C26183.52.8

DIPENTENE
DECYL ALCOHOL-3 EO

Particular hazards associated with the preparation and safety recommendations:

R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 43	May cause sensitisation by skin contact.
R 38	Irritating to skin.
R 10	Flammable.
R 41	Risk of serious damage to eyes.
S 23	Do not breathe spray
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 37/39	Wear suitable gloves and eye/face protection.
S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets.
S 36	Wear suitable protective clothing.
S 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 24	Avoid contact with skin.
S.2	Keep out of the reach of children.
	For industrial and institutional use only
S 60	This material and its container must be disposed of as hazardous waste.

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Changes made in section(s) :

2

4, 5, 6

7, 8, 9

11, 12

14, 15

16

Revised by: km

Full text of risk phrases appearing in section 2:

R 10	Flammable.
R 36/38	Irritating to eyes and skin.
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 43	May cause sensitisation by skin contact.
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.