

SAFETY DATA SHEET

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

JohnsonDiversey JohnsonDiversey UK Limited
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Clearance Code
JD20192

ENDURO HD
Professional cleaning/maintenance product for food & beverage industries

Product Code
647891

TO :

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS No	EINECS No			
1310-73-2	215-185-5	Sodium Hydroxide (WEL)	C: R35	(5-15%)
3332-27-2	222-059-3	Amine Oxide	Xi, N: R38-41-50	(<5%)
61791-46-6	263-179-6	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs., N-oxides	Xi, N: R38-41-50	(<5%)
67-63-0	200-661-7	Propan-2-ol (WEL)	Xi, F: R11-36-67	(<5%)
64-02-8	200-573-9	Tetrasodium ethylenediaminetetraacetate	Xn: R22-36	(<5%)

Ingredients according to EC 648/2004:

Less than 5% : E.D.T.A. Nonionic surfactants, Soap

Full text of R-phrases is given in section 16.

3. HAZARDS IDENTIFICATION

Corrosive - causes severe burns.

This product contains a material with an WEL published in HSE document EH40.

4. FIRST AID MEASURES

- Eyes :** Rinse immediately with copious amounts of water for at least ten minutes, holding the eyelids open and obtain immediate medical attention.
- Inhalation :** Remove from source of exposure. Seek medical advice if effects persist.
- Skin :** Flush the contaminated area with running water, remove contaminated clothing and wash before re-use. If irritation persists or there is any sign of tissue damage seek medical advice.
- Ingestion :** Remove product from mouth, give the casualty a small quantity of water to drink and obtain immediate medical attention. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

NON FLAMMABLE - In the event of a fire due to other causes the product is compatible with water, foam, carbon dioxide and dry powder extinguishers. May evolve toxic fumes if involved in a fire. Firefighters should wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing including gloves and eye/face protection. Hose away with plenty of water diluting to at least 1% w/v (10 g/litre) unless this would contaminate a water course or vegetation, in which case either collect, dilute as earlier and pour down wastewater drain (foul sewer) or absorb onto dry sand or similar material and dispose of to a licensed waste management company.

7. HANDLING & STORAGE

Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Do not mix with any other chemicals other than as advised by your JohnsonDiversey representative.

Store upright in original closed containers in a cool place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- Hand :** Use gloves resistant to Sodium Hydroxide.
- Eyes :** When handling neat product wear eye/face protection to EN 166.
- Skin :** Wear impervious bib or apron.

Respiration : When the product is used as directed, personal protective equipment is not required unless a risk assessment indicates the need for it.

WEL : Propan-2-ol, (Isopropanol), (Isopropyl Alcohol)
W.E.L. 1250 mg/cu.m 15 min ref time
W.E.L. 999 mg/cu.m 8 hour TWA

ref. HSE publication EH40

Sodium Hydroxide: W.E.L. 2 mg/cu.m 15 min ref time

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance :	Clear amber/yellow liquid	Odour :	Characteristic
pH :	>12.5	Solubility :	Fully miscible in water
Flammability :	None Flammable	Flash Point :	41°C (Pensky M.cc). This product with a flashpoint between 21°C & 61°C does not support combustion.
Density :	1.12 g/cm ³		

10. STABILITY & REACTIVITY

Exothermic reaction with acids. Provided the product is stored in accordance with the approved guidelines there are no known hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

Eyes : Corrosive - causes severe burns.
Skin : Corrosive - causes severe burns.
Inhalation : Severe irritant - Inhalation of spray mists will cause irritation of the respiratory tract.
Ingestion : Corrosive - Strong caustic effect on mouth and throat and danger of perforation to oesophagus and stomach.

12. ECOLOGICAL INFORMATION

When used for its intended purpose this product should not cause adverse effects in the environment.

13. DISPOSAL CONSIDERATIONS

This product does not contain any prescribed substance under the Environmental Protection Act (Prescribed Processes and Substances) Regulations 1991 but is classified as special waste under the Control of Substances (Special Waste) Regulations 1996. For small quantities wear suitable gloves and eye/face protection. Dilute with water to at least 1% w/v (10 g/litre) and pour down a wastewater drain (foul sewer). Rinse out containers at least twice and recycle if facilities exist or dispose of as commercial waste. For larger quantities contact a licensed waste management company.

European waste catalogue 20 01 15 Alkalines

14. TRANSPORT INFORMATION

EEC Regulation : F, (C), FLAMMABLE & CORROSIVE, Flammable Liquid, Corrosive, NOS, (Isopropanol & Sodium Hydroxide), UN2924, Hazchem 3W
IMDG/UN : Flammable Liquid, Corrosive, NOS, (Isopropanol & Sodium Hydroxide), UN2924, Class 3, Sub Class 8, PG III
RID/ADR : Class 3, Item 33(c)
ICAO/IATA : Passenger Aircraft: 309, Y309
Cargo Aircraft: 310

15. REGULATORY INFORMATION

Hazard symbol : C, CORROSIVE, Contains Sodium Hydroxide
Risk phrases : R35 Causes severe burns
Safety phrases : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
This product contains a material with an WEL published in HSE document EH40.

16. OTHER INFORMATION

Handle and apply only as recommended, for full information see product information sheet.

Internal Reference:- 6642456-02(20-Apr-2005)

Text of risk phrases associated with ingredients listed in section 2.

- R11 Highly flammable.
 - R22 Harmful if swallowed.
 - R35 Causes severe burns.
 - R36 Irritating to eyes.
 - R38 Irritating to skin.
 - R41 Risk of serious damage to eyes.
 - R50 Very toxic to aquatic organisms.
 - R67 Vapours may cause drowsiness and dizziness.
- Change made to section 2, 9, 11 and 12.