



ALKA DDH

Disinfectant cleaner floors and surfaces



Description

For the cleaning and the disinfection of floors and surfaces by wet wiping or with a scrubber-dryer.

For more information, please refer to the «Applications» paragraph in the technical guide.

- **Optimum safety** : aldehyde and quaternary ammonium free.
- Compatibility with **any type of surfaces**.
- **Non-staining and non-sticky formulation**.
- Fresh perfume : **eucalyptus**

Presentation

- 1L dose-dispensing bottle - dose 20mL
- 5L jerry can

Ingredients

Concentration liquid preparation, TP2, professional use.
 N-(3-aminopropyl)-N-dodécylpropane-1,3-diamine n°CAS :
 2372-82-9 50,01g/kg, Propane-2-ol n°CAS 67-63-0 40g/kg,
 Ethanol n° CAS 64-17-5 40g/kg.





ALKA DDH

Disinfectant cleaner floors and surfaces

MICROBIOLOGICAL PROPERTIES

	TESTS	MICRO ORGANISMS	CONCENTRATION	CONTACT TIME
BACTERIA	EN 1040	<i>Pseudomonas aeruginosa</i> <i>Enterococcus hirae</i>	0,5%	15 min
	EN 1276	<i>Pseudomonas aeruginosa</i> <i>Staphylococcus aureus</i> <i>Enterococcus hirae</i> <i>Escherichia coli</i>	0,5%	15 min
	EN 13697	<i>Pseudomonas aeruginosa</i> <i>Staphylococcus aureus</i> <i>Enterococcus hirae</i> <i>Escherichia coli</i>	0,5%	15 min
YEASTS	EN 1275	<i>Candida albicans</i>	0,5%	15 min
	EN 1650	<i>Candida albicans</i>	0,5%	15 min
	EN 13697	<i>Candida albicans</i>	0,5%	15 min

DIRECTIONS FOR USE

Prepare the solution at 0,5% (5mL/L) :

1. Add a 20mL dose in a bucket.
2. Complete water level up to 4L with tap water.

Use

1. Clean by wet wiping or with a scrubber-dryer.
2. Do not rinse. Contact time : 15 minutes.

Characteristics

- Physical state : clear liquid
- Color : pale yellow
- Fragrance : eucalyptus
- pH 0,5% : 9,5



PROFESSIONAL USE
Health and safety data sheets
available on www.alkapharm.fr

ALKA DDH



SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : ALKA DDH
Product code : 35...

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

Anti-alquitràn.

1.3. Details of the supplier of the safety data sheet

Registered company name : ALKAPHARM.
Address : Parc Biocitech - 102 avenue Gaston Roussel.93230.ROMAINVILLE.FRANCE.
Telephone : + 33 (0)1.41.50.59.80. Fax : + 33 (0)1.48.30.54.31 .
support.technique@alkapharm.fr

1.4. Emergency telephone number : 01.45.42.59.59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Flammable (R 10).
Corrosive (C, R 34).
Aquatic environmental hazard, acute toxicity: very toxic (N, R 50).

2.2. Label elements

Biocidal detergent mixture (see section 15).

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Hazard symbols :



Corrosive



Dangerous for the environment

Flammable

Contains :

EC 219-145-8 N,N(3-AMINOPROPYL) DODECYLAMINE

Risk phrase :

R 50 Very toxic to aquatic organisms.

R 10 Flammable.

R 34 Causes burns.

Safety phrase :

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

S 60 This material and its container must be disposed of as hazardous waste.

S 57 Use appropriate container to avoid environmental contamination.

S 2 Keep out of the reach of children.

2.3. Other hazards

No data available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

Composition :

Identification	Name	Classification	%
CAS: 2372-82-9 EC: 219-145-8	N,N(3-AMINOPROPYL) DODECYLAMINE	GHS07, GHS05, GHS09, GHS08, Dgr C,N H:302-314.1A-373-400 R: 35-48/22-50-22	2.5 <= x % < 10
	ALCOOL C 10 ETHOXYLE POLYMERE	GHS07, GHS05, Dgr Xn H:302-318 R: 41-22	2.5 <= x % < 10
INDEX: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25	PROPAN-2-OL	GHS02, GHS07, Dgr Xi,F H:225-319-336 R: 11-36-67	2.5 <= x % < 10
INDEX: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6	ETHANOL	GHS02, Dgr F H:225 R: 11	2.5 <= x % < 10
CAS: 28348-53-0 EC: 248 983 7	CUMENE SULFONATE DE SODIUM	GHS07, Wng Xi H:315-319 R: 36/38	0 <= x % < 2.5
CAS: 126-92-1 EC: 204-812-8	ALKYL SULFATE DE SODIUM 40% SOLUTION AQUEUSE	GHS05, Dgr Xi H:315-318 R: 38-41	0 <= x % < 2.5

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

Remove any soiled or splashed clothing immediately.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

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

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

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

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

Sometimes, and due to the presence of organic material, a fire may produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid any contact with the skin and eyes.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. 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.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

6.3. Methods and material for containment and cleaning up

Neutralise with an acidic decontaminant.

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Remove contaminated clothing and protective equipment before entering eating areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged : always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 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.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

7.2. Conditions for safe storage, including any incompatibilities

N/A

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place

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

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

Avoid accumulation of electrostatic charges.

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.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	200 ppm	400 ppm	-	-	-
64-17-5	1000 ppm	-	-	-	-

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes
67-63-0	200 ml/m3	500 mg/m3	2(II)	DFG, Y
64-17-5	500 ml/m3	960 mg/m3	2(II)	DFG, Y

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
67-63-0	-	-	400	980	-	84
64-17-5	1000	1900	5000	9500	-	84

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	400 ppm	500 ppm	-	-	-
64-17-5	1000 ppm	-	-	-	-

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- PVA (Polyvinyl alcohol)
- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Wear suitable protective clothing and, in particular, an apron and boots. These items of clothing shall be maintained in good condition and cleaned after use.

Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.

Suitable type of protective boots :

In the event of minor spatter, wear protective boots or half-boots against chemical risks in accordance with standard EN13832-2.

In the event of prolonged contact, wear boots or half-boots with liquid-chemical-resistant and waterproof soles and uppers in accordance with standard EN13832-3.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : fluid liquid.

color : colorless to light yellow

N/A

Important health, safety and environmental information

pH (aqueous solution) : 9.5 à 0.5% (20°C)

pH : 11.50 .
strongly basic.

Boiling point/boiling range : not relevant.

Flash Point : 42.00 °C.

Vapour pressure : not relevant.

Density : > 1

Water solubility : Dilutable.

Melting point/melting range : not relevant.
Self-ignition temperature : not relevant.
Decomposition point/decomposition range : not relevant.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces
- frost

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.1. Substances

Acute toxicity :

N,N(3-AMINOPROPYL) DODECYLAMINE (CAS: 2372-82-9)
Oral route : DL50 > 50 mg/kg
Species : Rat (recommended by the CLP)

Germ cell mutagenicity :

N,N(3-AMINOPROPYL) DODECYLAMINE (CAS: 2372-82-9)
No mutagenic effect.

11.1.2. Mixture

No toxicological data available for the mixture.

Acute toxicity :

Species : Rat
DL50 > 2000 mg/kg
OECD Guideline 423 (Acute Oral toxicity Acute Toxic Class Method)
Species : Rat
DL50 > 2000 mg/kg
OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/skin irritation :

The 'corrosive' classification is based on the low/high pH which has been confirmed by tests.

Serious damage to eyes/eye irritation :

Causes serious eye damage.

Conjunctival redness : Average score = 3

Duration of exposure : 24 h
Species : Rabbit
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Conjunctival oedema : Average score = 4
Species : Rabbit
OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Other information

N/A

N/A

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 67-63-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 64-17-5 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Highly toxic to aquatic life.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

Substances classified as category 1 acute toxicity :

N,N(3-AMINOPROPYL) DODECYLAMINE (CAS: 2372-82-9)

Fish toxicity : Duration of exposure : 96 h
CL50 > 0.1 mg/l

Crustacean toxicity : Duration of exposure : 48 h
CE50 = 0.078 mg/l
Species : Daphnia magna

Algae toxicity : Duration of exposure : 72 h
CEr50 = 0.015 mg/l

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

Surfactants in this preparation comply with the standards of biodegradability as defined in Regulation (EC) No 648/2004 on detergents.

N/A

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.
 Give to a certified disposal contractor.

SECTION 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 2011 - IMDG 2010 - ICAO/IATA 2012).

14.1. UN number

2920

14.2. UN proper shipping name

UN2920=CORROSIVE LIQUID, FLAMMABLE, N.O.S.
 (n,n(3-aminopropyl) dodecylamine, propan-2-ol)

14.3. Transport hazard class(es)

- Classification :



8+3

14.4. Packing group

II

14.5. Environmental hazards

- Environmentally hazardous material :



14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	8	CF1	II	8+3	83	1 L	274	E2	2	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	8	3	II	1 L	F-E,S-C	274	E2

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	8	3	II	851	1 L	855	30 L	-	E2
	8	3	II	Y840	0.5 L	-	-	-	E2

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004, 907/2006) :

- less than 5 % : anionic surfactants
- 5 % or over but less than 15 % : cationic surfactants
- less than 5 % : nonionic surfactants
- disinfectants
- perfumes

- Labelling for biocidal products (Regulation 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC) :

Name	CAS	%	TP
PROPAN-2-OL	67-63-0	40.00 g/kg	02
ETHANOL	64-17-5	40.00 g/kg	02
N,N(3-AMINOPROPYL) DODECYLAMINE	2372-82-9	50.01 g/kg	02

15.2. Chemical safety assessment

No data available.

SECTION 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 mixture must not be used for other uses than those specified in section 1 without having first obtained 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 in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
R 11	Highly flammable.
R 22	Harmful if swallowed.
R 35	Causes severe burns.
R 36	Irritating to eyes.
R 36/38	Irritating to eyes and skin.
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R 50	Very toxic to aquatic organisms.
R 67	Vapours may cause drowsiness and dizziness.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).