

SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: DESODO EAU ESSENTIELLE.

Product code: DL0008.

Company/undertaking identification:

Registered company name: PRODIFA.

Address: AE LES DIX MUIDS - 59770 - MARLY - FRANCE.

Telephone: +33.327.28.19.19 Fax: +33.327.28.19.10 Telex:.

info@prodifa.com

http://www.prodifa.com/

Emergency telephone: +33 (0)1.45.42.59.59.

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

2 - HAZARDS IDENTIFICATION

This product is classed: Extremely flammable.

May produce an allergic reaction.

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

Other data:

pressurized container

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)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
5989275	5989-27-5		LIMONENE DROIT	Xi N	10 38 43 50/53	0 <= x % < 2.5
A127913	127-91-3	204-872-5	BETA PINENE	Xn N	65 10 50/53 43	0 <= x % < 2.5

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
603-117-00-0	67-63-0	200-661-7	PROPAN-2-OL	Xi F	11 36 67	2.5 <= x % < 10

Other substances with occupational exposure limits:

INDEX	CAS	EC	Name	Symb.	R:	%
601-003-00-5	74-98-6	200-827-9	PROPANE	F+	12	10 <= x % < 25
601-004-00-0	106-97-8	203-448-7	BUTANE	F+	12	50 <= x % < 100

May produce an allergic reaction:

INDEX	CAS	EC	Name	Symb.	R:	%
101860	101-86-0	202-983-3	ALPHA-HEXYLCINNAMIC ALDEHYDE	Xi	43	0 <= x % < 2.5
5989275	5989-27-5		LIMONENE DROIT	Xi N	10 38 43 50/53	0 <= x % < 2.5
A127913	127-91-3	204-872-5	BETA PINENE	Xn N	65 10 50/53 43	0 <= x % < 2.5

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.

Make use of reanimation technics. A prolonged clinic supervision can be useful

In the event of splashes or contact with eyes:

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

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

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.

If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 - FIRE-FIGHTING MEASURES

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

Suitable extinguishing media:

Special foams for polar liquids (known as alcohol resistant), powders, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

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

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

Do not use compressed air during filling, emptying or handling.

Special protective equipment for fire-fighters:

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

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES**Personal precautions:**

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

Avoid inhaling the vapors.

Consult the safety measures listed under headings 7 and 8.

Prevent every risk of ignition of the steams.

Eliminate the fire in the zone.

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.

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

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

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

Use some absorbent.

The elimination must be carried out by a registered salvage professional.

7 - HANDLING AND STORAGE

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

Handling:

Handle in well-ventilated areas.

The vapors are denser than air. They can spread along the ground and form explosive mixtures with air

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

Do not spray on a naked flame or any incandescent material.

Prevent every contact with the skin and the eyes.
 Prevent accumulation of electrostatic charges.
 Pulverise by short pressions, without prolonged pulverisation.
 Follow hygiene and security rules because flammable capacity.
 Do not use under tension.
 Do not inhale steams.
 Do not smoke.
 To be translated (XML)

Fire prevention:

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment
 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.
 The steams can be toxic in case of combustion.
 Prevent every contact with hot surfaces or every other ignition point.
 Bring away every electric appliance.

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.
 Do not smoke.
 Gloves and glasses are recommended.
 Keep the original packing. Do not pierce or burn even after use.
 Follow the hygiene and security rules.
 Rules of storage and manipulation applicables to the gaz under pressure.
 Use only in well-ventilated premises.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used
 Never open the packages under pressure
 Do not pierce or burn, even after use.
 Do not use under tension.
 Prevent high temperatures.

Storage:

Keep the container tightly closed in a dry, well-ventilated place
 Keep away from all sources of ignition - do not smoke.
 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.
 Keep out of reach of children
 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.

Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.
 If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

Exposure limit values per INRS ED 984:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
67-63-0	-	-	400	980	-	84
106-97-8	800	1900	-	-	-	-

Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
67-63-0	II.1	200	500	C		
106-97-8	IV	1000	2400	-		
74-98-6	IV	1000	1800	-		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
67-63-0	(400)	(983)	(500)	(1230)	-	S
106-97-8	800	1900	-	-	-	-
74-98-6	2500	4509	-	-	-	-

Exposure limit values (2003-2006):

UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
67-63-0	400 ppm	500 ppm	-	-	-
106-97-8	600 ppm	750 ppm	-	-	-
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
67-63-0	400 ppm	500 ppm	-	-	-
106-97-8	600 ppm	750 ppm	-	-	-
Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:	
67-63-0	200 ml/m3	500 mg/m3	2(II)	DFG, Y	
106-97-8	1000 ml/m3	2400 mg/m3	4(II)	DFG	
74-98-6	1000 ml/m3	1800 mg/m3	4(II)	DFG	
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
127-91-3	20 ppm	-	-	-	-
67-63-0	200 ppm	400 ppm	-	-	-
106-97-8	1000 ppm	-	-	-	-
74-98-6	1000 ppm	-	-	-	-

Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

Hand protection:

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

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

Eye and face protection:

Use eye protectors designed to protect against liquid splashes

Skin protection:

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

Wash with soaped water, then rinse with water during 15min in case of contact.

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: 82 °C.

Flash point interval: Flash point: < 0°C. and distillation temperature <= 35°C.

vapour pressure: Below 110 kPa (1.10 bar).

Density: < 1

water solubility: Dilutable.

Other information:

melting point/melting range: not specified.

Self-ignition temperature: 250 °C.

Decomposition point/decomposition range : 250 °C.

10 - STABILITY AND REACTIVITY

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

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.

Conditions to avoid:

Avoid the accumulation of electrostatic charges.

Keep away of any source of heat or of ignition.

Materials to avoid:

STRONGS OXYDISING AGENTS

Hazardous decomposition products:

Toxics products by example, carbon oxydes.

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Splashes in the eyes may cause irritation and reversible damage

In the event of exposure by inhalation:

A big inhalation can be the cause of waves of nausea and of irritation of the respiratory mucous membranes.

In the event of swallowing:

Accidentally ingestion cause burn of the throat, which can be accompanied by gastric pain.

In the event of splashes or contact with skin:

Frequents contacts or prolonged ones can cause irritations.

Substances contained conventionally let prevoir the possibility, at certain predisposed subjects, of a reaction of sensitizing in the event of cutaneous contact

In the event of splashes or contact with eyes:

rinse immediately with water to avoid irritations

Other data:

CAS 5989-27-5 : IARC Groupe 3 (The agent is not classifiable as to its carcinogenicity to humans).

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

isopropylic alcohol DL50/cutaneous/rabbit : 13g/kg - INRS66

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

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

Mobility:

To be translated (XML)

Ecotoxicity:

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

Other adverse effects:

Do not throw out product in the nature, in residual watters or superficials ones

To be translated (XML)

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Aerosol do not pierce or burn after use

CONSIGN TO AN APPROVED COLLECTOR. CONSULT THE PREFECTORAL ORDERS IN FORCE.

Waste:

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.

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).

UN1950=AEROSOLS

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
	2	5F	-	2.1	-	LQ2	190 327 625



IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.
	SP63	SP63	-	SP277	F-D,S-U	63 190 277 327 959

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note
	2.1	-	-	203	75 Kg	203	150 Kg	A145 A153
	2.1	-	-	Y203	30 Kg G	-	-	-

15 - REGULATORY 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/EEC (Hazardous substances) have been taken into account.

Preparation classification:

Extremely flammable.

**Contains:**

Contains 101860
Contains 5989275
Contains A127913

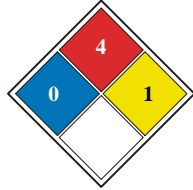
ALPHA-HEXYLCINNAMIC ALDEHYDE. May produce an allergic reaction.
LIMONENE DROIT. May produce an allergic reaction.
BETA PINENE. May produce an allergic reaction.

Particular hazards associated with the preparation and safety recommendations:

R 52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 12	Extremely flammable.
S 16	Keep away from sources of ignition - No smoking.
S 2	Keep out of the reach of children.
S 46	If swallowed, seek medical advice immediately and show this container or label. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
S 23	Do not breathe the steams.
S 51	Use only in well-ventilated areas.
S 24	Avoid contact with skin. Pulverise by short pressions, without prolonged pulverisation. Do not use for any purpose other than the one for which it is intended.

Particular provisions:

NFPA 704 Label: Health=0 Flammability=4 Instability=1 Special Hazards=none



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

Full text of risk phrases appearing in section 3:

R 10	Flammable.
R 11	Highly flammable.
R 12	Extremely flammable.
R 36	Irritating to eyes.
R 38	Irritating to skin.
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.
R 65	Harmful: may cause lung damage if swallowed.
R 67	Vapours may cause drowsiness and dizziness.