

DEPTIL KHA

Code: 0 33H 1

Material Safety Data Sheet compliant with Regulation (EC) 2015/830

Version 6.1.0

Revision: 09/01/17

Print Date : 05/04/19

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name **DEPTIL KHA**

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

Use of the product

**NEUTRAL pH LIQUID
AGRI-FOOD INDUSTRIES
DISINFECTION OF SURFACES BY SPRAYING
DISINFECTION OF EQUIPMENT BY DIPPING**

1.3. Details of the supplier of the safety data sheet

Company identification

**HYPRED SAS
55, Boulevard Jules Verger B.P 10180
35803 DINARD Cedex - FRANCE
Tél : +33 (0)2 99 16 50 00
Fax : +33 (0)2 99 16 50 20
e-mail : kersia@kersia-group.com**

For information regarding this safety data sheet, please contact :
regulatory@kersia-group.com

1.4. Emergency telephone number

Emergency phone number

Emergency direct number (24 hours a day, 7 days a week) :
(+ 1-760-476-3960 (Asian area, Pacific area)
(+ 1-760-476-3961 (European area)
(+ 1-760-476-3962 (Americas area)
(+ 1-760-476-3959 (Middle eastern countries and African area)
Access code : 333021

**INRS
30, rue Olivier Noyer**

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75014 Paris - FRANCE
Tél : + 33 (0) 1 45 42 59 59

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture meets the classification criteria provided for under Regulation (EC) No 1272/2008.

Flammable Liquide - Category 3

H226: Flammable liquid and vapour.

Eye irritation - Category 2

H319: Causes serious eye irritation.

Specific target organ toxicity (STOT) - single exposure - Category 3

H336: May cause drowsiness or dizziness.

2.2. Label elements

Labelling according to 1272/2008/EC Regulation:

Hazard pictograms(s) :



Signal word :

Warning

Contains : Isopropyl alcohol

Hazard statement(s) :

H226: Flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Precautionary statement(s) :

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P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable as this involves a mixture.

3.2. Mixtures

Chemical nature of the mixture : NEUTRAL pH LIQUID

Substance(s)	CAS number(s)	EINECS number(s)	No registration REACH	Classification according to Regulation 1272/2008/EC	Type
60% < Isopropyl alcohol <= 65%	67-63-0	200-661-7	01-2119455582-50	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	(1)

Type

(1) : Substance classified as hazardous for health and/or the environment

(2) : Substance with an exposure limit at the work station.

Substance of very high concern candidate for the authorisation procedure:

(3) : Substance considered as PBT (persistent, bioaccumulable, toxic)

(4) : Substance considered as vPvB (very persistent, very bioaccumulable)

(5) : Substance considered as carcinogenic category 1A

(6) : Substance considered as carcinogenic category 1B

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- (7) : Substance considered as mutagenic category 1A
- (8) : Substance considered as mutagenic category 1B
- (9) : Substance considered as reprotoxic category 1A
- (10) : Substance considered as reprotoxic category 1B
- (11) : Substance considered as endocrine disrupter

Full text of H- and EUH- phrases : see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General indications:

Take the contaminated clothes and shoes off immediately. Wash them before wearing them again.
In case of faintness , get medical advice/attention. Show this safety data sheet to the doctor.

In the event of inhalation :

Bring to fresh air.
Put into practice respiratory help procedure if needed and get medical advice immediately.

In the event of contact with the skin :

No measurement particular necessary.

In the event of contact with the eyes :

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

In the event of ingestion :

Make the victim drink plenty of water immediately.
Get medical advice.
Do NOT induce vomiting.

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

Skin contact : A prolonged or cutaneous exposure may cause a cutaneous irritation

Eye contact : Causes serious eye irritation.

Ingestion : Ingestion can cause nausea, vomiting, abdominal pains and diarrhoea.

Inhalation : May cause drowsiness or dizziness.

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

Treatments : Symptomatic treatment

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media :

Carbone dioxide (CO₂).
Waterspray.
Dry chemical powder or alcohol-resistant foam.

Unsuitable extinguishing media :

High pressure water jet

5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapour.
Vapours may cause explosive mixtures with air.
The following may form in a fire:
- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Wear independent respiratory equipment and protective suit.
Collect contaminated firefighting water separately, must not be discharged into the drains.
Keep containers cool by spraying with water if exposed to fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel :

Ensure adequate ventilation.
Avoid inhaling vapors.
Evacuate non-essential staff and those not equipped with individual protection apparatus.
Prohibit all sources of sparks and ignition.

6.1.2. For emergency responders :

Evacuate the personnel to a safe location.

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Keep people upwind and away from the location of the flow/leak.
Use personal protection equipment.

6.2. Environmental precautions

Intervention limited to trained staff.
Do not discharge the product directly to sewer or to environment.
Take as soon as possible all incompatible materials away.

6.3. Methods and material for containment and cleaning up

Small spillage :

Wash with plenty of water.
Absorb on inert material.

Large spillage :

Never return spills in original containers for re-use.
Keep in suitable, properly labelled and closed containers for disposal.
Mark out, soak up with an inert absorbant and pump in an emergency tank.

6.4. Reference to other sections

Respect protective measures presented at heading 8.
Refer to section 13 for the elimination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not eat, drink or smoke in work area. Avoid projections during use.
Avoid breathing vapours.
Operate in a well ventilated place.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Storage :

Keep away from of any flame or source of ignition and sparks, any source of heat or electrical appliance under operation.
Keep only in the original container.
Keep in a clean, cool and well-ventilated place away from sources of heat and intense light.
Keep away from incompatible matters (see heading 10).
Keep container closed.

7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

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7.3. Specific end use(s)

No other recommendation.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values :

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Substance	Country	Type	Value	Unit	Comments	source
Isopropyl alcohol	FRA	VLCT Short term	400	ppm	Valeur limite indicative	International limit values for chemical agents
			980	mg/m ³	Valeur limite indicative	International limit values for chemical agents
	AUT	OEL 8h	200	ppm		International limit values for chemical agents
			500	mg/m ³		International limit values for chemical agents
		OEL Short term	800	ppm		International limit values for chemical agents
			2000	mg/m ³		International limit values for chemical agents
	BEL	OEL 8h	200	ppm		International limit values for chemical agents
			500	mg/m ³		International limit values for chemical agents
		OEL Short term	400	ppm		International limit values for chemical agents
			1000	mg/m ³		International limit values for chemical agents
	CHE	OEL 8h	200	ppm		International limit values for chemical agents
			500	mg/m ³		International limit values for chemical agents
		OEL Short term	400	ppm		International limit values for chemical agents
			1000	mg/m ³		International limit values for chemical agents
		TBL (Tolerable Biological Limit)	25	mg/l		
	0,4		mmol/l			
	DEU	OEL 8h	200	ppm		International limit values for chemical agents (German Committee on Hazardous Substances)
			500	mg/m ³		International limit values for chemical agents (German Committee on Hazardous Substances)
			200	ppm		International limit values for chemical agents (German Research Foundation)
			500	mg/m ³		International limit values for chemical agents (German Research Foundation)
		OEL Short term	400	ppm	15 minutes average value	International limit values for chemical agents (German Committee on Hazardous Substances)
			1000	mg/m ³	15 minutes average value	International limit values for chemical agents (German Committee on Hazardous Substances)
			400	ppm	STV 15 minutes average value	International limit values for chemical agents (German Research Foundation)
			1000	mg/m ³	STV 15 minutes average value	International limit values for chemical agents (German Research Foundation)
	DNK	OEL 8h	200	ppm		International limit values for chemical agents
			490	mg/m ³		International limit values for chemical agents
		OEL Short term	400	ppm		International limit values for chemical agents
			980	mg/m ³		International limit values for chemical agents
ESP	OEL 8h	200	ppm		International limit values for chemical agents	
		500	mg/m ³		International limit values for chemical agents	
	OEL Short term	400	ppm		International limit values for chemical agents	
		1000	mg/m ³		International limit values for chemical agents	
GBR	OEL 8h	400	ppm		International limit values for chemical agents	

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Isopropyl alcohol	GBR	OEL 8h	999	mg/m ³		International limit values for chemical agents
		OEL Short term	500	ppm		International limit values for chemical agents
			1250	mg/m ³		International limit values for chemical agents
	SWE	OEL 8h	150	ppm		International limit values for chemical agents
			350	mg/m ³		International limit values for chemical agents
		OEL Short term	250	ppm	Short-term value, 15 minutes average value	International limit values for chemical agents
			600	mg/m ³	Short-term value, 15 minutes average value	International limit values for chemical agents
	POL	NDS 8h	900	mg/m ³		International limit values for chemical agents
		NDSCh Short term	1200	mg/m ³		International limit values for chemical agents
	HUN	OEL 8h	500	mg/m ³		International limit values for chemical agents
		OEL Short term	2000	mg/m ³		International limit values for chemical agents
	LVA	OEL 8h	350	mg/m ³		International limit values for chemical agents
		OEL Short term	600	mg/m ³	15 minutes average value	International limit values for chemical agents
	SVN	OEL	500	mg/m ³	Opomba Y, BAT	Rules on the protection of workers against the risks related to exposure to chemicals at work in Slovenia (Official Gazette RS, št 100/01, 39/05, 53/07, 102/10, 43/11. ZVZD-1 in 38/15)
			200	ppm	Opomba Y, BAT	Rules on the protection of workers against the risks related to exposure to chemicals at work in Slovenia (Official Gazette RS, št 100/01, 39/05, 53/07, 102/10, 43/11. ZVZD-1 in 38/15)
		STEL	4		Opomba Y, BAT	Rules on the protection of workers against the risks related to exposure to chemicals at work in Slovenia (Official Gazette RS, št 100/01, 39/05, 53/07, 102/10, 43/11. ZVZD-1 in 38/15)

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According to the requirements of Directive 98/24 /EC, the employer is required to conduct a risk assessment and implement appropriate risks management measures.

* For any situation where the absence of risk is not proven, he must consider the substitution or reduction of risk by improving in priority processes used and collective protection measures. The effectiveness of the solutions implemented will be checked by measurement in comparison to the statutory limit values for substances defined in Section 8.1.

* If the risk remains after these corrective actions, he must always check by routinely measuring compliance with regulatory OEL if they exist in section 8.1 and apply all the individual protective measures given in section 8.2.

* When formalized risk assessment indicates a low risk to workers' health, control of compliance with regulatory OEL may not be considered and all individual protection measures is not always mandatory.

8.2.1. Appropriate engineering controls :

Ensure adequate ventilation.

Apply the necessary technical measures to comply with the professional exposure limit values.

8.2.2. Individual protection measures, such as personal protective equipment :

Eye/face protection :

Avoid contact with eyes.

Wear protective goggles compliant with standard EN 166 if there is a risk of exposure.

Hand protection :

No special protection measure is required.

Skin protection :

Wear protective clothing.

Respiratory protection :

In case of insufficient ventilation, wear suitable respiratory equipment.

Type A Filtration

Thermal hazards :

Not applicable

Health measures :

Safety shower and eye wash fountain near to workplace.

Handle in accordance with good industrial hygiene practices and the safety instructions.

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8.2.3. Environmental exposure controls :

Do not discharge the product directly to sewer or to environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Alcohol
Odour threshold	Not available
Pure pH	7.8±0.8
pH value at 10g/l	Not available
Freezing point :	-20 °C
Boiling point	> 85 °C
Flash point	24 °C
Evaporation rate:	Not available
Flammability	Flammable liquids and vapors according to the criteria of Regulation 1272/2008/EC.
Vapour pressure	Not available
Vapour density	Not available
Mass density	[0.875 - 0.878] g/cm ³
Relative density	Not available
Solubility in water	Not available
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	> 485 °C
Decomposition temperature	Not available
Viscosity	≈ 9 mPa.s
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

No additional information.

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions of use.

10.2. Chemical stability

Stable in the recommended storage and handling conditions.

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10.3. Possibility of hazardous reactions

Reaction with oxidizing agents.
Heating may cause an explosion.

10.4. Conditions to avoid

Light, heat.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

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

These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity with data given by the technical data sheet and the technical adviser.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance-related data:

Acute toxicity

Isopropyl alcohol : LD 50 - oral rat 5,050 mg/kg. - MSDS supplier

Isopropyl alcohol : LD 50 - dermal rabbit 12,800 mg/kg. - MSDS supplier

Serious damage to eyes/eye irritation

Isopropyl alcohol : Eye irritation . Irritating - MSDS supplier

Mix-related data: :

Acute toxicity

. Not determined

Skin corrosion/irritation

Skin irritation . The mix is not considered to be irritating for the skin under the criteria of Regulation 1272/2008/EC.

Serious damage to eyes/eye irritation

Eye irritation . Causes serious eye irritation according to the criteria of the 1272/2008/EC.

Respiratory / skin sensitisation

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Skin sensitisation . The mixture is not considered as a skin sensitiser according to 1272/2008/EC Regulation.
Respiratory sensitisation . The mixture is not considered as a respiratory sensitiser according to 1272/2008/EC Regulation.

Mutagenicity

. The classification criteria are not met given the available data.

Carcinogenicity

. The classification criteria are not met given the available data.

Reproductive toxicity

. The classification criteria are not met given the available data.

Specific target organ toxicity - single exposure

. May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

. The classification criteria are not met given the available data.

Aspiration hazard

. The classification criteria are not met given the available data.

Most important symptoms and effects, both acute and delayed :

Skin contact : A prolonged or cutaneous exposure may cause a cutaneous irritation

Eye contact : Causes serious eye irritation.

Ingestion : Ingestion can cause nausea, vomiting, abdominal pains and diarrhoea.

Inhalation : May cause drowsiness or dizziness.

SECTION 12: Ecological information

12.1. à 12.4. Toxicity - Persistence and degradability - Bioaccumulative potential - Mobility in soil

Substance-related data:

Acute toxicity

Isopropyl alcohol : LC 50 - 96h fishes > 1,000 mg/L. - MSDS supplier

Isopropyl alcohol : EC 50 - 48h shellfishes > 1,000 mg/L. - MSDS supplier

Degradability

Isopropyl alcohol : Biodegradability (OECD): . Easily biodegradable. - MSDS supplier

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Mix-related data:

Acute toxicity
fishes . Not determined
daphnia . Not determined
algae . Not determined

CHRONIC TOXICITY
. No data available.

Degradability
. No data available.

Bioaccumulation
. No data available.

Mobility
. No data available.

Conclusion :

The mixture is not considered to be dangerous for the environment according to 1272/2008/EC Regulation.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Treatment of the mixture :

Do not discharge the product directly to sewer or to environment.

Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

Packaging treatment :

Rinse thoroughly the packaging with water and treat the effluent like wastes.

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Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

SECTION 14: Transport information

ROAD TRANSPORT:

Rail/Route (RID/ADR)

UN no : 1987

UN proper shipping name : FLAMMABLE ALCOHOLS, N.O.S. (Isopropyl alcohol)

Transport hazard class(es) : 3

Packing group : III

Hazard code : 30

Label : 3



Tunnel code : D/E

Environmental hazard : No

Special precautions for user : No information.

Limited Quantity (QL): 5L

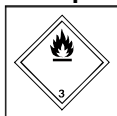
MARITIME TRANSPORT :

IMDG

UN no :1987

UN proper shipping name : FLAMMABLE ALCOHOLS, N.O.S. (Isopropyl alcohol)

Transport hazard class(es) : 3



Packing group : III

Marine pollutant : No

Special precautions for user : No information.

EmS number : F-E, S-D

Limited Quantity (QL): 5L

Transport in bulk according to Annex II of MARPOL and the IBC Code :

Not concerned

SECTION 15: Regulatory information

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

Regulations relating to the hazards from major accidents :

SEVESO 3 Directive (2012/18/EC) : P5c

Regulations relating to the classification, packing and labelling of substances and mixes :

Regulation 1272/2008/EC amended.

Waste regulations :

2008/98/EC Directive amended by 2015/1127/EC Directive - Regulation 1357/2014/EC

Decision 2014/955/EC which establishes the list of hazardous waste.

Protection of workers :

Directive 98/24/EC of 07/04/1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation 850/2004/EC on persistent organic pollutants and modifying Directive 79/117/EC : Not applicable

Regulation 1005/2009/EC amended on substances that deplete the ozone layer : Not applicable

Regulation (EC) 648/2004 :

Not concerned

Comply with national and local legislation.

15.2. Chemical safety assessment

No

SECTION 16: Other information

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known.

In no way does it exempt users from being aware of and complying with regulations applicable to

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their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.

Regulations are only stated in order to help users fulfill the duties involved in the use of the product. This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with-according to other laws than the ones hereby stated and applicable to holding and usage of the product-demands for which they will remain sole responsibility.

Section(s) modified compared with the previous version :

SECTION 1: Identification of the substance/mixture and of the company/undertaking

List of H phrases referred to in sections 2 and 3 :

H225 : Highly flammable liquid and vapour.

H319 : Causes serious eye irritation.

H336 : May cause drowsiness or dizziness.

Sources of key data used to compile the data sheet :

MSDS supplier

Historical :

Version 6.1.0

Cancels and replaces previous version 6.0.