AMBR	O-SOL S.R.L.		Revision nr. 4
			Dated 10/10/2020
V404/GOT/ISA - SPRAYS -	REPARAGOTELÉ 4	00 ml ISAVAL	Printed on 24/11/2020
			Page n. 1/18
			Replaced revision:3 (Dated: 15/04/2019)
	Safety Data S	Sheet	
Acco	ording to Annex II to REACH - R	egulation 2015/830	
		6 - 1 (
SECTION 1. Identification of the sul	bstance/mixture and o	of the company/u	ndertaking
1.1. Product identifier			
Code:	V404/GOT/ISA		
Product name UFI :	SPRAYS - REPARAGOTEL V8C0-801U-3005-AS0Y	.É 400 ml ISAVAL	
	V0C0-0010-3005-A301		
1.2. Relevant identified uses of the substance or	mixture and uses advised ag	ainst	
Intended use Decorative aerosol	product.		
Identified Uses	Industrial	Professional	Consumer
Consumer	-	-	Consumer
Industrial Use	- 4	-	• -
Professional Use	· -		-
		*	
1.3. Details of the supplier of the safety data she	et		
Name	AMBRO-SOL S.R.L.	. 01	
Full address District and Country	Via per Pavone del Mella n 25020 Cigole (BS)	1.21	
	Italia		
	Tel. +39 030 9959674		
	Fax +39 030 959265		
e-mail address of the competent person			
responsible for the Safety Data Sheet	quality@ambro-sol.com		
1.4. Emergency telephone number For urgent inquiries refer to	Centro Antiveleni di Pavia	: Tel. (+39) 0382-24444 (IRCCS Fondazione Maugeri - Pavia)
			spedale Papa Giovanni XXIII -
	Bergamo) Centro Antiveleni di Firenz	70: Tol. 055 7047810 (Oc	nodalo Caroggi - Eironzo)
	Centro Antiveleni di Roma		
	Centro Antiveleni di Napol		
	de Toxicología y Ciencias		a: Tel. 91 5620420 (Instituto Nacional
	Centro de Informação Anti	ivenenos (CIAV): Tel. 80	00 250 250 (Instituto Nacional de
	Emergência Médica - Porte Centre Antipoison de Paris		entre Antipoison et de
	Toxicovigilance de Paris -	France)	
	Pomorskie Centrum Toksy Polska)	/kologii: Tel. (58) 682 04	04 (Zakład Toksykologii Klinicznej -
	American Association of F		(USA): Tel. +1 (800) 222 1222
	Giftnotrufzentralen (Berlin	, Deutschland): Tel. +49	030 19 240
SECTION 2. Hazards identification			

2.1. Classification of the substance or mixture

Revision nr. 4

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Dated 10/10/2020 Printed on 24/11/2020

Page n. 2/18

Replaced revision:3 (Dated: 15/04/2019)

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication: Aerosol, category 1

H222 H229 Extremely flammable aerosol. Pressurised container: may burst if heated.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:

Danger

Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C / 122°F.
P211	Do not spray on an open flame or other ignition source.
P102	Keep out of reach of children.
	•

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Dimethyl ether		
CAS 115-10-6	19 ≤ x < 23	Flam. Gas 1A H220, Press. Gas H280
EC 204-065-8		
INDEX 603-019-00-8		

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4 Dated 10/10/2020 Printed on 24/11/2020 Page n. 3/18

Replaced revision:3 (Dated: 15/04/2019)

Reg. no. 01-2119472128-37-XXXX		
Ethanol		
CAS 64-17-5	1 ≤ x < 3	Flam. Liq. 2 H225
EC 200-578-6		
INDEX 603-002-00-5		
Reg. no. 01-2119457610-43-XXXX		
2-Butoxyethanol		
CAS 111-76-2	1 ≤ x < 3	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315
EC 203-905-0		
INDEX 603-014-00-0		
Reg. no. 01-2119475108-36-XXXX		
Methylethylketone		
CAS 78-93-3	$0 \le x < 0,5$	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 201-159-0		
INDEX 606-002-00-3		
Reg. no. 01-2119457290-43-XXXX		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 20,80 %

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020

Printed on 24/11/2020 Page n. 4/18

Replaced revision:3 (Dated: 15/04/2019)

UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions

Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

7.3. Specific end use(s)

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020 Printed on 24/11/2020

Page n. 5/18

Replaced revision:3 (Dated: 15/04/2019)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU ESP FRA IITA PRT POL GBR EU	Deutschland España France Italia Portugal Polska United Kingdom OEL EU TLV-ACGIH		LÍMITES DE EXI Valeurs limites d Decreto Legislati Ministério da Eco trabalhadores co trabalhadores co trabalho - Diário ROZPORZADZE EH40/2005 Worł Directive (EU) 20 Directive (EU) 20	POSICIÓN PROF exposition profes vo 9 Aprile 2008, nomia e do Empi ntra os riscos par da República, 1.ª :NIE MINISTRA F xplace exposure li 19/1831; Directiv	ESIONAL PARA sionnelle aux age n.81 ego Consolida a: a a segurança e série - N.º 111 - IODZINY, PRAC' mits (Third editio e (EU) 2019/130. 2009/161/EU; D	AGENTES QUÍ ents chimiques e s prescrições mi a saúde devido 11 de junho de 2 Y I POLITYKI SF n, published 201 ; Directive (EU) 3 irective 2006/15,	MICOS EN ESP in France. ED 9 inimas em maté à exposição a a 2018 9 OŁECZNEJ z c 8) 2019/983; Direc	e und Kurzzeitwert AÑA 2019 (INSS 84 - INRS ria de protecção d gentes químicos r dnia 12 czerwca 20 tive (EU) 2017/238 004/37/EC; Directi	r) os io)18 r 98;
Dimethyl e									
Type	Limit Value	Country	TWA/8h		STEL/15min		Remarks		
			mg/m3	ppm	mg/m3	ppm	Observati	10115	
OEL		EU	1920	1000					
Predicted no-	effect concentration	- PNEC							
Normal value	in fresh water				155	μg/	1		
Normal value	in marine water				16	μg/	1		
Normal value	for fresh water sedi	ment			681	μg/	/kg/d		
Normal value	for marine water se	diment			69	μg/	/kg/d		
Normal value	of STP microorgani	sms			160	mg	/I		
Normal value	for the terrestrial co	mpartment			45	μg/	/kg/d		
Health - De	erived no-effect le	evel - DNEL / D Effects on	MEL			Effects on			
<u> </u>		consumers			<u></u>	workers	• •		
Route of exp	osure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			NPI		NPI				
Inhalation			VND		471 mg/m3		VND		1894 mg/m3
Skin			NPI		NPI		NPI		NPI
	xide; synthetic a Limit Value	morphous sind	con dioxide (nan	o)					
Threshold		Country	TWA/8h	0)	STEL/15min		Remarks		
Threshold			•	o)	STEL/15min mg/m3	ppm	Remarks Observati		
Threshold Type			TWA/8h	-		ррт			
Threshold Type AGW		Country	TWA/8h mg/m3	-		ppm	Observati		
Threshold Type AGW MAK		Country DEU DEU	TWA/8h mg/m3 4 4	-		ppm Effects on workers	Observati		
Threshold Type AGW MAK	Limit Value	DEU DEU DEU Evel - DNEL / D Effects on	TWA/8h mg/m3 4 4	-		Effects on	Observati		Chronic

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020

Printed on 24/11/2020 Page n. 6/18

Replaced revision:3 (Dated: 15/04/2019)

Threshold Limit Value								
Гуре	Country	TWA/8h		STEL/15min		Remarks Observa		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	380	200	1520	800			
ЛАК	DEU	380	200	1520	800			
VLA	ESP			1910	1000			
VLEP	FRA	1900	1000	9500	5000			
NDS/NDSCh	POL	1900						
WEL	GBR	1920	1000					
TLV-ACGIH				1884	1000			
Predicted no-effect concentra	tion - PNEC							
Normal value in fresh water		960	μg/	1				
Normal value in marine water				790	μg/	1		
Normal value for fresh water s	sediment			3,6	mg	/kg/d		
Normal value for marine wate	r sediment			2,9	mg	/kg/d		
Normal value for water, interm	nittent release			2,75	mg	/I		
Normal value of STP microorg	ganisms			580	mg	/I		
Normal value for the food cha	in (secondary poiso	ning)		380	mg	/kg		
Normal value for the terrestria	l compartment			630	μg/	kg/d		
Health - Derived no-effect		DMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI		87 mg/kg		oyotonno		87
Inhalation	950 mg/m3	NPI	NPI	bw/d 114 mg/m3	1900 mg/m3	NPI	NPI	950 mg/m3
Skin	NPI	NPI	NPI	206 mg/kg bw/d	NPI	NPI	NPI	343 mg/kg bw/d
2-Butoxyethanol Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks		
		mg/m3	ppm	mg/m3	ppm	Observa	tions	
AGW	DEU	49	10	98 (C)	20 (C)	SKIN		
MAK	DEU	49	10	98	20	SKIN	Hinweis	
VLA	ESP	98	20	245	50	SKIN		
VLEP	FRA	49	10	246	50	SKIN		
VLEP	ITA	98	20	246	50	SKIN		
VLE	PRT	98	20	246	50	SKIN		
NDS/NDSCh	POL	98		200		SKIN		
WEL	GBR	123	25	246	50	SKIN		
OEL	EU	98	20	246	50	SKIN		
		97	20					
TLV-ACGIH		97	20					

Revision nr. 4

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Dated 10/10/2020

Printed on 24/11/2020 Page n. 7/18

Replaced revision:3 (Dated: 15/04/2019)

		mg/m3	ppm	mg/m3	ppm	Observatio	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Туре	Country	TWA/8h		STEL/15min		Remarks / Observatio		
Methylethylketone Threshold Limit Value								
Skin	VINU	UNU	VNU	319 mg/kg bw/d	VNU	VNU	VINU	888 mg/kg
Inhalation	VND VND	VND VND	VND VND	89 mg/m3	VND VND	VND VND	VND VND	500 mg/m3
Dral	VND	VND	VND	26 mg/kg bw/d	VND	VND	VND	VND
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
	Effects on consumers				Effects on workers			
Health - Derived no-effect	•	MEL						
Normal value for the terrestrial c				28		/kg/d		
Normal value for the food chain		ing)		160	mc	ı/kg		
Normal value of STP microorgar	nisms			2,251	g/l			
Normal value for water, intermitt	ent release			140,9	mg	j/l		
Normal value for marine water s	ediment			552 mg/kg/d				
Normal value for fresh water sec	liment			552	mg	ı/kg/d		
Normal value in marine water				140,9	mg	J/I		
Normal value in fresh water				140,9	mç	J/I		
Predicted no-effect concentration	n - PNEC							
TLV-ACGIH		492	200	983	400			
WEL	GBR	999	400	1250	500			
NDS/NDSCh	POL	900		1200		SKIN		
VLEP	FRA			980	400			
VLA	ESP	500	200	1000	400			
MAK	DEU	500	200	1000	400			
AGW	DEU	500	200	1000	400			
		mg/m3	ppm	mg/m3	ppm	Coorvan		
Туре	Country	TWA/8h		STEL/15min		Remarks / Observatio		
Propan-2-ol Threshold Limit Value								
Skin	VND	89 mg/kg bw/d	NPI	75 mg/kg bw/d	VND	89 mg/kg bw/d	NPI	125 mg/kg bw/d
Inhalation	147 mg/m3	bw/d 426 mg/m3	NPI	bw/d 59 mg/m3	246 mg/m3	1091 mg/m3	NPI	98 mg/m3
Oral		26,7 mg/kg		systemic 6,3 mg/kg		systemic		systemic
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
	Effects on consumers				Effects on workers			
Health - Derived no-effect	•	MEL		2,00	ing	, ng/u		
Normal value for the terrestrial c		(ing)		2,33		j/kg/d		
Normal value for the food chain		ing)		20		j/kg		
Normal value for water, intermitt Normal value of STP microorgar				9,1 463	mg mg			
						ı/kg/d		
rmal value for fresh water sediment				34,6		///.d		

Revision nr. 4

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Dated 10/10/2020

Printed on 24/11/2020 Page n. 8/18 Replaced revision:3 (Dated: 15/04/2019)

AGW	DEU	600	200	600	200	SKIN		
MAK	DEU	600	200	600	200	SKIN		
VLA	ESP	600	200	900	300			
VLEP	FRA	600	200	900	300	SKIN		
VLEP	ITA	600	200	900	300			
VLE	PRT	600	200	900	300			
NDS/NDSCh	POL	450		900		SKIN		
WEL	GBR	600	200	899	300	SKIN		
OEL	EU	600	200	900	300			
TLV-ACGIH		590	200	885	300			
Predicted no-effect conce	ntration - PNEC							
Normal value in fresh wat	er			55,8	mg	ı/l		
Normal value in marine w	ater			55,8	mg	J/I		
Normal value for fresh wa	ter sediment			284,74	mg	J/kg/d		
Normal value for marine v	vater sediment			284,74	mg	ı/kg/d		
Normal value of STP micr	roorganisms			709	mg	J/I		
Normal value for the food	chain (secondary poisor	ning)		1	g/k	g		
Normal value for the terre	strial compartment			22,5	mg	J/kg/d		
Health - Derived no-e		DMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				Systemic		Systemic		31 mg/kg
Inhalation				106 mg/m3				bw/d 600 mg/m3
Skin				412 mg/kg				1161 mg/kg
OKIII				bw/d				bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

TLV of solvent mixture: 582 mg/m3

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

HAND PROTECTION None required.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020

Printed on 24/11/2020 Page n. 9/18

Replaced revision:3 (Dated: 15/04/2019)

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	aerosol					
Colour	white					
Odour	characteristic of solvent					
Odour threshold	Not available					
рН	Not available					
Melting point / freezing point	Not available					
Initial boiling point	Not applicable					
Boiling range	Not available					
Flash point	< 0 °C					
Evaporation Rate	Not available					
Flammability of solids and gases	Not available					
Lower inflammability limit	Not available					
Upper inflammability limit	Not available					
Lower explosive limit	Not available					
Upper explosive limit	Not available					
Vapour pressure	Not available					
Vapour density	Not available					
Relative density	0,96 ÷ 1 g/ml a 20°C					
Solubility	partially soluble in water					
Partition coefficient: n-octanol/water	Not available					
Auto-ignition temperature	Not available					
Decomposition temperature	n.a.					
Viscosity	Not available					
Explosive properties	not applicable					
Oxidising properties	not applicable					
9.2. Other information						
VOC (Directive 2010/75/EC) :	24,80 % - 243,03 g/lit					

VOC (Directive 2010/75/EC) :	24,80 %	-	243,03	g/litre
VOC (volatile carbon) :	13,07 %	-	128,12	g/litre

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020 Printed on 24/11/2020

Page n. 10/18

Replaced revision:3 (Dated: 15/04/2019)

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

2-Butoxyethanol

Decomposes under the effect of heat.

Methylethylketone

Reacts with: light metals, strong oxidants. Attacks various types of plastic materials. Decomposes under the effect of heat.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

Ethanol

Risk of explosion on contact with: alkaline metals,alkaline oxides,calcium hypochlorite,sulphur monofluoride,acetic anhydride,acids,concentrated hydrogen peroxide,perchlorates,perchloric acid,perchloronitrile,mercury nitrate,nitric acid,silver,silver nitrate,ammonia,silver oxide,ammonia,strong oxidising agents,nitrogen dioxide.May react dangerously with: bromoacetylene,chlorine acetylene,bromine trifluoride,chromium trioxide,chromyl chloride,fluorine,potassium tert-butoxide,lithium hydride,phosphorus trioxide,black platinum,zirconium (IV) chloride,zirconium (IV) iodide.Forms explosive mixtures with: air.

2-Butoxyethanol

May react dangerously with: aluminium, oxidising agents. Forms peroxides with: air.

Methylethylketone

May form peroxides with: air,light,strong oxidising agents.Risk of explosion on contact with: hydrogen peroxide,nitric acid,sulphuric acid.May react dangerously with: oxidising agents,trichloromethane,alkalis.Forms explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating.

Ethanol

Avoid exposure to: sources of heat, naked flames.

2-Butoxyethanol

Avoid exposure to: sources of heat, naked flames.

Methylethylketone

Avoid exposure to: sources of heat.

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020

Printed on 24/11/2020 Page n. 11/18

Replaced revision:3 (Dated: 15/04/2019)

10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

2-Butoxyethanol

Keep away from: strong oxidants.

Methylethylketone

Incompatible with: strong oxidants, inorganic acids, ammonia, copper, chloroform.

10.6. Hazardous decomposition products

2-Butoxyethanol

May develop: hydrogen.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: > 20 mg/l ATE (Oral) of the mixture: >2000 mg/kg ATE (Dermal) of the mixture: >2000 mg/kg

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020

Printed on 24/11/2020 Page n. 12/18

Replaced revision:3 (Dated: 15/04/2019)

Dimethyl ether

LC50 (Inhalation) 164000 ppm rat

Ethanol

LD50 (Oral) > 1000 mg/kg bw Rat

LD50 (Dermal) > 10000 mg/kg bw

LC50 (Inhalation) > 100 mg/l/4h Pimephales promelas

2-Butoxyethanol

LD50 (Oral) > 1000 mg/kg bw guinea pig

LD50 (Dermal) > 400 mg/kg bw rabbit

LC50 (Inhalation) > 400 ppm/4h rat

Methylethylketone

LD50 (Oral) > 2000 mg/kg rat

LD50 (Dermal) 10 ml/kg rabbit

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020

Printed on 24/11/2020 Page n. 13/18

Replaced revision:3 (Dated: 15/04/2019)

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Dimethyl ether	
LC50 - for Fish	> 4000 mg/l/96h Poecilia reticulata
EC50 - for Crustacea	> 4000 mg/l/48h Daphnia magna
Chronic NOEC for Fish	4,1 g/l 4 days
Chronic NOEC for Crustacea	4,4 g/l 48 h
Ethanol	
LC50 - for Fish	15,4 g/l/96h 4 days
EC50 - for Crustacea	10 g/l/48h
EC50 - for Algae / Aquatic Plants	275 mg/l/72h
EC10 for Algae / Aquatic Plants	11,5 mg/l/72h
Chronic NOEC for Fish	625 mg/l 5 days
Chronic NOEC for Crustacea	9,6 mg/l 9 days
2-Butoxyethanol	
LC50 - for Fish	1,474 g/l
EC50 - for Crustacea	1,55 g/l
EC50 - for Algae / Aquatic Plants	911 mg/l/72h
EC10 for Crustacea	134 mg/l 21 days
Chronic NOEC for Fish	100 mg/l 21 days
Chronic NOEC for Crustacea	100 mg/l 21 days
Chronic NOEC for Algae / Aquatic Plants	88 mg/l 72 h
Methylethylketone	
LC50 - for Fish	2,9 g/l/96h

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020

Printed on 24/11/2020 Page n. 14/18

Replaced revision:3 (Dated: 15/04/2019)

EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Crustacea	308 mg/l/48h 1,97 g/l/72h 68 mg/l 48 h
12.2. Persistence and degradability	
Dimethyl ether NOT rapidly degradable	
Under test conditions no biodegradation observed (100%)	
Ethanol	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable	
2-Butoxyethanol	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable	
Methylethylketone	
Solubility in water	> 10000 mg/l
Rapidly degradable 12.3. Bioaccumulative potential	
Ethanol	
Partition coefficient: n-octanol/water	-0,35
2-Butoxyethanol	
Partition coefficient: n-octanol/water	0,81
Methylethylketone	
Partition coefficient: n-octanol/water	0,3
12.4. Mobility in soil	
Information not available	
12.5. Results of PBT and vPvB assessment	

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Other adverse effects

Dimethyl ether

Given the high rate of disappearance of the solution, the product is unlikely to constitute a significant hazard to aquatic life. Destructive effect on ozone: 0. Global warming potential (GWP): 1.

SECTION 13. Disposal considerations

Revision nr. 4

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Dated 10/10/2020

Printed on 24/11/2020

Page n. 15/18

Replaced revision:3 (Dated: 15/04/2019)

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, 1950 IATA:

14.2. UN proper shipping name

ADR / RID:	AEROSOLS
IMDG:	AEROSOLS
IATA:	AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID:	Class: 2	Label: 2.1
IMDG:	Class: 2	Label: 2.1
IATA:	Class: 2	Label: 2.1



14.4. Packing group

ADR / RID, IMDG, IATA:

14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO

14.6. Special precautions for user

ADR / RID:

HIN - Kemler: --

IMDG:

Special Provision: -EMS: F-D, S-U Limited Quantities: 1

Limited Quantities: 1 Tunnel restriction code: (D)

Revision nr. 4

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Dated 10/10/2020 Printed on 24/11/2020

Page n. 16/18 Replaced revision:3 (Dated: 15/04/2019)

IATA:

Cargo: Pass.: Special Instructions:

L Maximum quantity: 150 Kg Maximum quantity: 75 Kg A145, A167, A802

Packaging instructions: 203 Packaging instructions: 203

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Seveso Category - Directive 2012/18/EC: P3a
Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
Product Point 40
Substances in Candidate List (Art. 59 REACH)
On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.
Substances subject to authorisation (Annex XIV REACH)
None
Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:
None
Substances subject to the Rotterdam Convention:
None
Substances subject to the Stockholm Convention:
None
Healthcare controls
Information not available
15.2. Chemical safety assessment
A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020

Printed on 24/11/2020 Page n. 17/18

Replaced revision:3 (Dated: 15/04/2019)

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Gas 1A	Flammable gas, category 1A
Aerosol 1	Aerosol, category 1
Aerosol 3	Aerosol, category 3
Flam. Liq. 2	Flammable liquid, category 2
Press. Gas	Pressurised gas
Acute Tox. 4	Acute toxicity, category 4
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may burst if heated.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit

V404/GOT/ISA - SPRAYS - REPARAGOTELÉ 400 ml ISAVAL

Revision nr. 4

Dated 10/10/2020

Printed on 24/11/2020 Page n. 18/18 Replaced revision:3 (Dated: 15/04/2019)

VOC: Volatile organic Compounds

- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website

Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified: 09.