Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

SAFETY DATA SHEET

Senscience PROformance Activate Scalp Treatment for Thinning Hair



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

1.1 Product identifier	
Product name	: Senscience PROformance Activate Scalp Treatment for Thinning Hair
Product code	: 8266
Product type	: Liquid.
Other means of identification	: Not available.

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

Identified uses		
Hair Care Product		
Uses advised against		
Use only as directed on the product label.		

1.3 Details of the supplier of the safety data sheet

Joico Laboratories Europe BV – Zotos Europe Grasbeemd 4 5705 DG Helmond , The Netherlands Tel. + 31 492 553 999 (Monday through Friday 9.00 – 17.00) e-mail address of person : SDSInfo@zotos.com responsible for this SDS

1.4 Emergency telephone number

National advisory body/Po	<u>oison Center</u>
Telephone number	: +31 88 755 85 61
<u>Supplier</u>	
Emergency telephone number	: (800) 584-8038 - 24 hours

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411

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SECTION 2: Hazards identification

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended. : Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 52.5% Ingredients of unknown toxicity : Percentage of the mixture consisting of ingredient(s) of unknown hazards to the Ingredients of unknown aquatic environment: 52.5% ecotoxicity Classification according to Directive 1999/45/EC [DPD] The product is classified as dangerous according to Directive 1999/45/EC and its amendments. **Classification** : R10 R43 : Flammable. Physical/chemical hazards Human health hazards : May cause sensitization by skin contact.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

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2.2 Label elements

Hazard pictograms

Signal word	: Warning
Hazard statements	 Flammable liquid and vapor. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.
Precautionary statements	
General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Avoid release to the environment.
Response	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	: Keep cool.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	: ethanol maleic acid
Supplemental label elements	: 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. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Special packaging requirements

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SECTION 2: Hazards identification

Tactile warning of danger :

2.3 Other hazards

Other hazards which do : None known. not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Mixture				
Europe					
ethanol	EC: 200-578-6 CAS: 64-17-5 Index: 603-002-00-5	35-50	F; R11	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[2]
maleic acid	EC: 203-742-5 CAS: 110-16-7 Index: 607-095-00-3	0.1-1	Xn; R22 Xi; R36/37/38 R43	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335	[1]

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid m	eas	sures
Eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Inhalation	:	Move affected person to fresh air.
Skin contact	:	Remove contaminated clothing and shoes. Wash with plenty of soap and water.
Ingestion	:	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED. Treat symptomatically. Never give anything by mouth to an unconscious person. Call a physician.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important sympto Potential acute health effe		both acute and delayed	I		
Eye contact Inhalation	: Causes ser	ious eye irritation. significant effects or critic	al hazards.		
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SECTION 4: First aid measures

Skin contact	: Causes skin irritation. May cause an allergic skin reaction.				
Ingestion	: Irritating to mouth, throat and stomach.				
Over-exposure signs/s	symptoms				
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness				
Inhalation	: No specific data.				
Skin contact	: Adverse symptoms may include the following: irritation redness				
Ingestion	: No specific data.				
4.3 Indication of any imi	mediate medical attention and special treatment needed				
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 				

Specific treatments : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	:	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	:	Do not use water jet.
Extinguishing media	:	Use dry chemical, CO ₂ , alcohol-resistant foam or water spray (fog).
5.2 Special hazards arising fr	ron	the substance or mixture
Hazards from the substance or mixture	:	Flammable liquid. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide
5.3 Advice for firefighters		
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	-	Immediately contact emergency personnel. Flammable material In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	te	ctive equipment and emergency procedures
For non-emergency personnel	:	Flammable. Keep away from ignition sources such as heat/sparks/open flame No smoking. Do not get in eyes. Keep out of reach of children.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental Precautions	:	Leaking packages should be placed in open containers outdoors away from any source of ignition
6.3 Methods and materials fo	r c	ontainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
Methods for cleaning up	:	Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Place spilled material in an appropriate container for disposal. After contact with skin, wash immediately with plenty of water.
6.4 Reference to other sections	:	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures
 Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

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SECTION 7: Handling and storage

Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Avoid increased storage temperature. Keep away from ignition sources such as heat/sparks/open flame. - No smoking. Avoid contact with ignition and heat sources and oxidizers. Store away from oxidizing agents. Store in cool/ well-ventilated place.

Seveso II Directive - Reporting thresholds (in tonnes)

Danger criteria

Category	Notification and MAPP threshold	
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b	5000	50000
E2: Hazardous to the aquatic environment - Chronic 2	200	Statety report threshold
C6: Flammable (R10)	5000	50000

7.3 Specific end use(s)

Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

8.1 Control parameters

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Product/ingredie	nt name	Exposure limit values
Europe		
ethanol		ACGIH TLV (United States, 3/2012). STEL: 1000 ppm 15 minute(s).
Recommended monitoring procedures	atmosphere or of the ventilation protective equi- the following: the assessmen limit values and atmospheres - of exposure to (Workplace attr for the measure	contains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectiveness on or other control measures and/or the necessity to use respiratory pment. Reference should be made to monitoring standards, such as European Standard EN 689 (Workplace atmospheres - Guidance for nt of exposure by inhalation to chemical agents for comparison with d measurement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment chemical and biological agents) European Standard EN 482 mospheres - General requirements for the performance of procedures ement of chemical agents) Reference to national guidance methods for the determination of hazardous substances will also be

SECTION 8: Exposure controls/personal protection

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available.

8.2 Exposure controls		
Engineering measures	In case of insufficient ventilation, wear suitable respiratory equipment.	
Individual protection measure		
Hygiene measures	: When using do not eat, drink or smoke.	
Eye/face protection	Safety eyewear complying with an approved standard should be used when assessment indicates this is necessary to avoid exposure to liquid splashes gases or dusts. If contact is possible, the following protection should be wor unless the assessment indicates a higher degree of protection: chemical sp goggles.	, mists, m,
Skin protection		
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard be worn at all times when handling chemical products if a risk assessment in this is necessary. Considering the parameters specified by the glove manuf check during use that the gloves are still retaining their protective properties should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consistin several substances, the protection time of the gloves cannot be accurately estimated.	ndicates acturer, . It
Body protection	Personal protective equipment for the body should be selected based on the being performed and the risks involved and should be approved by a specia before handling this product. When there is a risk of ignition from static elect wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. R European Standard EN 1149 for further information on material and design requirements and test methods.	list ctricity,
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and shou approved by a specialist before handling this product.	
Respiratory protection	: Use a properly fitted, air-purifying or air-fed respirator complying with an app standard if a risk assessment indicates this is necessary. Respirator selecti must be based on known or anticipated exposure levels, the hazards of the and the safe working limits of the selected respirator.	on
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legisl. In some cases, fume scrubbers, filters or engineering modifications to the pre- equipment will be necessary to reduce emissions to acceptable levels.	ation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties						
Appearance						
Physical state	: Liquid. [Viscous liquid.]					
Color	: Colorless to light yellow.					
Odor	: Characteristic. Fragrance-like.					
рН	: 4.5 to 5.5					
Initial boiling point and boiling range	: 78.333°C					
Flash point	: Closed cup: 25°C					
Relative density	: 0.986 to 1					
0.2 Other information						

: Spray

9.2 Other information

Type of aerosol

No additional information.

SECTION 10: Stabilit	y and reactivity
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Stable under recommended storage and handling conditions (see Section 7).
10.3 Possibility of hazardous reactions	: Not available.
10.4 Conditions to avoid	: Store away from oxidizing agents. Avoid contact with ignition and heat sources. Keep away from direct sunlight.
10.5 Incompatible materials	: Separate from oxidizing materials.
10.6 Hazardous decomposition products	: Products of combustion

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name		Result	Species	Dose	E	xposur	e
ethanol	LC50 Inhalati LD50 Oral LD50 Oral	on Vapor	Rat Rat Rat	124700 mg/m3 7 g/kg 7 g/kg	4 hoi - -	urs	
Conclusion/Summary Acute toxicity estimates Not available. rritation/Corrosion	: Not availabl	e.					
te of issue/Date of revision	: 5/5/2015.	Date of previous iss	No n	revious validation.	/ersion	: 0.01	8/15

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	e Observation
ethanol	Eyes - Mild irritant	Rabbit	-	24 hours 50	0 -
		5.1.7		milligrams	_
	Eyes - Moderate irritant	Rabbit	-	0.06666666 minutes 100	
				milligrams	
	Eyes - Moderate irritant	Rabbit	-	100	-
				microliters	
	Eyes - Severe irritant	Rabbit	-	500	-
	Skin - Mild irritant	Rabbit		milligrams 400	_
	Skill - Mild Illiant	Rabbit	-	milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-
				milligrams	
	Eyes - Moderate irritant	Rabbit	-	0.06666666	
				minutes 100)
	Eyes - Moderate irritant	Rabbit	-	milligrams 100	_
				microliters	
	Eyes - Severe irritant	Rabbit	-	500	-
	Okin Mild imitant	Dabbit		milligrams	
	Skin - Mild irritant	Rabbit	-	400 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20	_
				milligrams	
maleic acid	Eyes - Severe irritant	Rabbit	-	2 minutes 1	-
				Percent	
Conclusion/Summary	: Not available.				
Sensitization					
Conclusion/Summary	: Not available.				
<u>Mutagenicity</u>					
Conclusion/Summary	: Not available.				
Carcinogenicity					
Conclusion/Summary	: Not available.				
Reproductive toxicity					
Conclusion/Summary	: Not available.				
<u>Feratogenicity</u>					
	: Not available.				
Conclusion/Summary Specific target organ toxicit					
Product/ingr	edient name	Category		ute of osure	Target organs
maleic acid		Category 3	Not app		espiratory tract

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

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SECTION 11: Toxicological information

Not available.

routes of exposurePotential acute health effectsEye contact: Causes serious eye irritation.Inhalation: No known significant effects or critical hazards.Skin contact: Causes skin irritation. May cause an allergic skin reaction.Ingestion: Irritating to mouth, throat and stomach.Symptoms related to the physical, chemical and toxicological characteristicsEye contact: Adverse symptoms may include the following: pain or irritation watering rednessInhalation: No specific data.Skin contact: Adverse symptoms may include the following: rednessInhalation: No specific data.Skin contact: Adverse symptoms may include the following: riritation rednessIngestion: No specific data.Skin contact: Adverse symptoms may include the following: irritation rednessIngestion: No specific data.	formation on the likely :	Not available.
Eye contact: Causes serious eye irritation.Inhalation: No known significant effects or critical hazards.Skin contact: Causes skin irritation. May cause an allergic skin reaction.Ingestion: Irritating to mouth, throat and stomach.Symptoms related to the physical, chemical and toxicological characteristicsEye contact: Adverse symptoms may include the following: pain or irritation watering rednessInhalation: No specific data.Skin contact: Adverse symptoms may include the following: rednessInhalation: No specific data.Skin contact: Adverse symptoms may include the following: rednessIngestion: No specific data.Skin contact: Adverse symptoms may include the following: rednessIngestion: No specific data.		
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Ingestion: Irritating to mouth, throat and stomach.Symptoms related to the physical, chemical and toxicological characteristicsEye contact: Adverse symptoms may include the following: pain or irritation watering rednessInhalation: No specific data.Skin contact: Adverse symptoms may include the following: irritation rednessIngestion: No specific data.Ingestion: No specific data.	nhalation :	No known significant effects or critical hazards.
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Eye contact: Adverse symptoms may include the following: pain or irritation watering rednessInhalation: No specific data.Skin contact: Adverse symptoms may include the following: irritation rednessIngestion: No specific data.	ngestion :	Irritating to mouth, throat and stomach.
pain or irritation watering rednessInhalation: No specific data.Skin contact: Adverse symptoms may include the following: irritation rednessIngestion: No specific data.	mptoms related to the physic	cal, chemical and toxicological characteristics
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Inhalation: No specific data.Skin contact: Adverse symptoms may include the following: irritation rednessIngestion: No specific data.		
Skin contact : Adverse symptoms may include the following: irritation redness Ingestion : No specific data.	halation	
irritation redness Ingestion : No specific data.		•
Ingestion : No specific data.		
Delayed and immediate effects and also chronic effects from short and long term exposure	ngestion :	No specific data.
Delayed and inimediate effects and also chronic effects from short and long term exposure	alayed and immediate effects	and also chronic effects from short and long term exposure
Short term exposure	<u>hort term exposure</u>	
Potential immediate : Not available. effects		Not available.
Potential delayed effects : Not available.		Not available
Long term exposure	-	
Potential immediate : Not available.		Not available
effects		
Potential delayed effects : Not available.		
Potential chronic health effects	otential chronic health effect	<u>s</u>
Not available.	Not available.	
Conclusion/Summary : Not available.	Conclusion/Summary :	Not available.
General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.	General :	
Carcinogenicity : No known significant effects or critical hazards.	Carcinogenicity :	No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.	Mutagenicity :	No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.	Teratogenicity :	No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.	Developmental effects :	No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.	Fertility effects :	No known significant effects or critical hazards.
Other information : Not available.	her information :	Not available.
Date of issue/Date of revision : 5/5/2015. Date of previous issue : No previous validation. Version : 0.01 10/2	-	

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
ethanol	Acute EC50 17.921 mg/L Marine water	Algae - Ulva pertusa	96 hours
	Acute EC50 2000 ug/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 25500 ug/L Marine water	Crustaceans - Artemia	48 hours
		franchiscana - Larvae	
	Acute LC50 42000 ug/L Fresh water	Fish - Oncorhynchus mykiss	4 days
	Chronic NOEC 0.375 ul/L Fresh water	Fish - Gambusia holbrooki -	12 weeks
		Larvae - 3 days	
	Acute EC50 2000 ug/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 25500 ug/L Marine water	Crustaceans - Artemia	48 hours
		franchiscana - Larvae	
	Acute LC50 42000 ug/L Fresh water	Fish - Oncorhynchus mykiss	4 days
	Chronic NOEC 0.375 ul/L Fresh water	Fish - Gambusia holbrooki -	12 weeks
		Larvae - 3 days	
maleic acid	Acute EC50 316200 ug/L Fresh water	Daphnia - Daphnia magna -	48 hours
		Larvae - <24 hours	
	Acute LC50 5000 ug/L Fresh water	Fish - Pimephales promelas	96 hours
Conclusion/Summary	: Not available.		

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
ethanol	-0.31	-	low
maleic acid	-0.48	-	low

12.4 Mobility in soil	
Soil/water partition	: Not available.
coefficient (Koc)	
Mobility	: Not available.

12.5 Results of PBT	and vPvB assessment
PBT	: Not applicable.

2	Not applicable.
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12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: Dispose of according to all federal, state and local applicable regulations.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	UN1993	UN1993	UN1993	UN1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o s.
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group		111	111	111
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	Hazard identification number 30 Limited quantity LQ7 Special provisions 274 601 640E Tunnel code (D/E)	<u>Special provisions</u> 274 601 640E	Emergency schedules (EmS) F-E, _S-E_ Special provisions 223, 274, 955	Passenger and Cargo Aircraft Quantity limitation: 60 L Packaging instructions: 309 Cargo Aircraft Only Quantity limitation: 220 L Packaging instructions: 310 Limited Quantities -

SECTION 14: Transport information Passenger Aircraft Quantity limitation: 10 Packaging Image: Packaging instructions: Y309 Special provisions A3

14.6 Special precautions for : Transport within user's premises: always transport in closed contained upright and secure. Ensure that persons transporting the product know the event of an accident or spillage.		
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	: Not available.	
SECTION 15: Regula	tory information	
15.1 Safety, health and enviro	onmental regulations/legislation specific for the substance or mixture	
EU Regulation (EC) No. 190	<u>7/2006 (REACH)</u>	
Annex XIV - List of substar	nces subject to authorization	
Annex XIV		
None of the components ar	e listed.	
Substances of very high o	<u>concern</u>	
None of the components ar	e listed.	
Annex XVII - Restrictions on the manufacture,	: Not applicable.	
placing on the market		
and use of certain		
dangerous substances,		

43.81% by mass of the contents are flammable.

Seveso II Directive

mixtures and articles Other EU regulations Europe inventory

Aerosol dispensers

This product is controlled under the Seveso II Directive.

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: Not determined.

3

Danger criteria

SECTION 15: Regulatory information

Category

P5c: Flammable liquids 2 and 3 not falling under P5a or P5b E2: Hazardous to the aquatic environment - Chronic 2 C6: Flammable (R10)

15.2 Chemical Safety	:	This product contains substances for which Chemical Safety Assessments are still
Assessment		required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number
	vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification	
Flam. Liq. 3, H226	On basis of test data	
Skin Irrit. 2, H315	Calculation method	
Eye Irrit. 2, H319	Calculation method	
Skin Sens. 1, H317	Calculation method	
Aquatic Chronic 2, H411	Calculation method	

Europe

Full text of abbreviated H statements	H226 H302 H315 H317 H319 H335 (Respiratory tract irritation) H411	Flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. (Respiratory tract irritation) Toxic to aquatic life with long lasting effects.
Full text of classifications [CLP/GHS]	 Acute Tox. 4, H302 Aquatic Chronic 2, H411 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Flam. Liq. 3, H226 Skin Sens. 1, H317 STOT SE 3, H335 (Respiratory tract irritation) 	ACUTE TOXICITY (oral) - Category 4 AQUATIC HAZARD (LONG-TERM) - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Date of	f issue/Date	of revision
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SECTION 16: Other information

Full text of abbreviated R phrases	: R10- Flammable. R22- Harmful if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin. R43- May cause sensitization by skin contact.
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Date of previous issue	: No previous validation.
Version	: 0.01
Notice to seeded	

Notice to reader

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