

SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 2015/830)

Version 1
Product Name Haze Liquid (HZL-1 / HZL-4 / HZL-5)

Issue Date 11-Jul-2016
Revision date 11-Jul-2016

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

1.1. Product identifier

Product Name Haze Liquid (HZL-1 / HZL-4 / HZL-5)
REACH registration number No information available

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

Recommended Use Used for smoke generator on the stage.
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier ANTARI LIGHTING AND EFFECTS LTD
Address 8,Lane 231, Nankan, Rd, Sec.1,Luchu,Tao Yuan City, Taiwan
Postal Code 33859
Phone 03-322-5829#318
FAX 03-322-0433
E-mail any@antari.com.tw

Importer
Address
Postal Code
Phone
FAX
E-mail

1.4. Emergency telephone number (Full list at the end of this document)
03-322-5829#318

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified.

2.2. Label elements

Symbols/Pictograms None
Signal word None
Hazard Statements Not applicable
Precautionary Statements Not applicable
EU Specific Hazard Statements None.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Mixture

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
White mineral oil	232-455-8	8042-47-5	100	Not classified

Vitamin E	200-412-2	59-02-9	0.0005-0.001	Not classified
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SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

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.

Ingestion

Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Self-protection of the first aider

First aider: Pay attention to self-protection. Use personal protection recommended in Section 8.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to media extinguish flames.

Unsuitable extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

Combustibility : Not classified as flammable or combustible, but will combust if ignited.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8.

6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

6.4. Reference to other sections

See Section 7 for more information
See section 8 for more information
See section 13 for more information

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Take precautionary measures against static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep locked up and out of reach of children. Store in accordance with local regulations.

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Chemical Name	Latvia	France	Finland	Germany	Italy
White mineral oil (CAS #: 8042-47-5)		-	-	TWA: 5 mg/m ³ Ceiling / Peak: 20 mg/m ³	-

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available

8.2. Exposure controls**Engineering Controls**

Showers. Eyewash stations. Ventilation systems. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand Protection	Wear protective gloves.
Skin and body protection	Suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	None under normal processing

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Color	No information available
Odor	Odorless
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	ca. -15 °C
Boiling point / boiling range	Not determined
Flash point	> 115 °C
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Explosive limits	Not determined
Flammability Limit in Air	Not determined
Vapor Pressure	Not determined
Vapor density	Not determined
Relative density	0.81 - 0.89
Partition coefficient (LogPow)	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

9.2. Other information

No information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal use conditions.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
White mineral oil (CAS #: 8042-47-5)	> 5000 mg/kg (Rat)	-	-

Skin corrosion/irritation

Non-irritating to the skin.

Serious eye damage/eye irritation

No eye irritation.

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

No information available.

Carcinogenicity

Not classified

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12: Ecological information**12.1. Toxicity**

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
White mineral oil (CAS #: 8042-47-5)	-	10000: 96 h Lepomis macrochirus mg/L LC50	-

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name	Partition coefficient (LogPow)
White mineral oil (CAS #: 8042-47-5)	6

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing group	Not regulated
14.5. Environmental hazards	Not regulated
14.6. Special precautions for user	No information available
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	Does not apply

SECTION 15: Regulatory information

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

European Union

Component	EINECS/ELINCS	SVHC candidates	RESTRICTIONS - REACH TITLE VIII
White mineral oil 8042-47-5 (100)	X	-	-
Vitamin E 59-02-9 (0.0005-0.001)	X	-	-

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

Component	TSCA	DSL/NDSL	ENCS	IECSC	KECL	PICCS	AICS
White mineral oil 8042-47-5 (100)	X	X	X	X	X	X	X
Vitamin E 59-02-9 (0.0005-0.001)	X	X	X	X	X	X	X

"-" Not Listed

"X" Listed

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Issue Date	11-Jul-2016
Revision date	11-Jul-2016
Revision Note	Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Key literature references and sources for data

ECHA: <http://echa.europa.eu/>
IFA GESTIS: [http://gestis-en.itrust.de/nxt/gateway.dll?f=templates\\$fn=default.htm\\$vid=gestiseng:sdbeng](http://gestis-en.itrust.de/nxt/gateway.dll?f=templates$fn=default.htm$vid=gestiseng:sdbeng)
HSDB: <http://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

Full text of H-Statements referred to under section 3

Not classified

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- End of Safety Data Sheet -----



EUROPEAN COMMISSION

ENTERPRISE AND INDUSTRY DIRECTORATE-GENERAL
Resources Based, Manufacturing and Consumer Goods Industries
Chemicals Industry
ENVIRONMENT DIRECTORATE-GENERAL
Green economy Chemicals

Contact list of appointed bodies for the submission of the information relating to emergency health response, according to Art. 45(1) Reg. (EC) No 1272/2008 (21 May 2014 version)

The following list does not provide the emergency telephone number to be given in Section 1.4 of a Safety Data Sheet (Annex II REACH Regulation). Further information on the emergency telephone number can be found at ECHA website (<http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>).

Country	Organisation	Address	Phone, e-mail, website
Austria	Umweltbundesamt GmbH Abteilung Chemikalien	Spittelauer Lände 5 1090 Wien	Tel: +43 1 31304 5620 Email: sdbreg@umweltbundesamt.at Website: http://www.umweltbundesamt.at
Belgium	Centre antipoisons / Antigif Centrum	Hôpital Militaire Reine Astrid Rue Bruyn 1, 1120 Bruxelles	Tel: +32 02 264 96 36 Fax: +32 02 264 96 46 Website: http://www.centreantipoisons.be/

Country		Organisation	Address	Phone, e-mail, website
Bulgaria	Until 31st May 2015	Ministry of Health	5, Sveta Nedelya Sq. Sofia - 1000	Email: amaslarska@mh.government.bg Website: http://www.mh.government.bg/Default.aspx?lang=bg-BG
	After 31st May 2015	National Toxicology Center	Hospital for Active Medical Treatment and Emergency Medicine "N.I.Pirogov" Sofia - 1000	Tel/ fax: +359 2 9154 409 Email: poison_centre@mail.orbitel.bg Website: http://www.pirogov.bg
Croatia		Croatian Institute for Toxicology and Antidoping	10000 Zagreb Borongajska cesta 83 g	Fax: + 385 01 46 41 368 E-mail: hzt@hzt.hr Website: www.hzt.hr
Cyprus		Department of Labour Inspection Ministry of Labour Welfare and Social Insurance	12, Apelli street, Nicosia 1493, Cyprus C/o Dr Maria Paleomilitou	Tel: +35722405611 E-mail: CY-ChemRegistry@dli.mlsi.gov.cy
Czech Republic		Department of Chemicals and Biocides Ministry of Health	Palackého náměstí 4 CZ - 128 01 Prague 2	

Country	Organisation	Address	Phone, e-mail, website
Denmark	The Product Registry, Danish Working Environment Authority (only mixtures for professional use)	Postboks 1228 0900 København C	Tel: +45 70 12 12 88 Email: at@at.dk Website: http://arbejdstilsynet.dk/en/engelsk/produktregistret.aspx
	The Danish Environmental Protection Agency	Strandgade 29 1401 København K	Tel: +45 72 54 40 00 Email: mst@mst.dk Submission via database: http://www.virk.dk/myndigheder/stat/MST/Miljoestyrelsens_produktnformation Website: www.mst.dk
Estonia	Poisoning Information Centre Health Board	Gonsiori 29, 15027 Tallinn, Estonia	Tel: +372 62 69 379 Email: info@16662.ee Website: http://www.16662.ee/
Finland	Chemical Products Register, Finnish Safety and Chemicals Agency (Tukes)	Kalevantie 2, FI-33100 Tampere	Email : tuoterekisteri@tukes.fi Website: http://www.tukes.fi/en/Branches/Chemicals-biocides-plant-protection-products/Submitting-information-on-chemicals/

Country	Organisation	Address	Phone, e-mail, website
France	Institut national de recherche et de sécurité (INRS)	65 boulevard Richard Lenoir 75011 PARIS	Tel: +33 1 40 44 30 00 Website: https://www.declaration-synapse.fr/synapse (link to site Synapse, for the declaration of chemicals mixtures)
	Centre antipoison et de toxicovigilance de Nancy	Hôpital Central 29 avenue du Maréchal de Lattre de Tassigny 54035 Nancy Cedex	Tel : +33 3 83 22 50 50 Email: cap@chu-nancy.fr Website: http://www.centres-antipoison.net/
Germany	Federal Institute for Risk Assessment (BfR) Unit: Poison and Product Documentation Centre	Max-Dohrn-Str. 8-10 10589 Berlin	Tel. +49 30-18412-3460 Fax +49 30-18412-3929 Email: produkt-meldungen@bfr.bund.de Website: http://www.bfr.bund.de/en/home.html Submission of formulations via: http://www.bfr.bund.de/en/notifications_of_formulations-10144.html
Greece	General Chemical State Laboratory, Directorate of Environment, section B	An. Tsoha 16, GR-115 21 Athens	Tel: +30 210 6479409, Fax: +30 210 6466917, Email : environment@gcsl.gr

Country	Organisation	Address	Phone, e-mail, website
Hungary	National Institute of Chemical Safety (HU: Országos Kémiai Biztonsági Intézet, OKBI)	Nagyvárad tér 2 BUDAPEST H-1096	Website: www.okbi.hu Email: clpnotification@okbi.antsz.hu <i>(Note: This email address is intended to serve exclusively information purposes and not to be used to submit documentation.)</i>
Ireland	Beaumont Hospital - National Poisons Information Centre	Beaumont Road, Dublin 9,	Tel: +353 1 8092566 Email: npicdublin@beaumont.ie Website: www.poisons.ie
Italy	Istituto Superiore di Sanità, National Center for Chemicals	Viale Regina Elena, 299 I-00161 ROMA	Tel: +39 0649906140 and +39 0649902064 Email: rosa.draisci@iss.it and maristella.rubbiani@iss.it Website: www.preparatipericolosi.iss.it
Latvia	Latvian Environment, Geology and Meteorology Centre (LEGMC)	Maskavas Street 165 Riga, LV-1019	Tel: +371 67032600 Email: lvgmc@lvgmc.lv Website: www.meteo.lv/en/
Lithuania	Environmental Protection Agency	Juozapavičiaus st. 9, LT-09311 Vilnius, Lithuania	Tel: + 370 70662008 Fax: + 370 70662000 Email: chemija@aaa.am.lt

Country	Organisation	Address	Phone, e-mail, website
Luxembourg	Ministère de la Santé	Allée Marconi, L-2120 Luxembourg	Tel: + 352 24785551 Email: Direction-sante@ms.etat.lu Website: http://www.ms.public.lu/fr/direction/index.html
Malta			
Netherlands	National Poisons Information Center University Medical Center Utrecht	PO Box 85500, 3508 GA Utrecht	Tel: +31 88 75 585 61 Email: productnotificatie@umcutrecht.nl Website: http://www.productnotification.nl
Poland	Department for Dangerous Substances and Preparations/ /Bureau for Chemical Substances and Preparations	Dowborczykow Street 30/34 90-019 Lodz	Phone: +48 42 25 38 400 Fax: +48 42 25 38 444 e-mail: biuro@chemikalia.gov.pl (<i>general</i>), mieszaniny@chemikalia.gov.pl (<i>only notifications</i>). Internet: www.chemikalia.gov.pl Submission of formulations via the portal ELDIOM http://eldiom.chemikalia.gov.pl
Portugal	Centro de Informação Antivenenos Instituto Nacional de Emergência Médica	Rua Almirante Barroso, n.º 36 1000-013 Lisboa - Portugal	Tel: + 351 213 303 271 Email: ciav.tox@inem.pt Website: www.inem.pt/ciav

Country	Organisation	Address	Phone, e-mail, website
Romania	National Institute for Public Health	Dr. A. Leonte, 1-3, sector 5, Bucuresti	Tel: +40 21 318 36 06 Email: mihaela.purcarela@insp.gov.ro Website: www.insp.gov.ro
Slovakia	National toxicological information centre	University Hospital Bratislava Department of Occupational Medicine and Toxicology Limbova 5, 833 05 Bratislava	Tel: + 421 2 5465 2307 Email: ntic@ntic.sk Website: http://www.ntic.sk/
Slovenia	Chemicals Office (CORS), Ministry of Health	Ajdovščina 4, SI - 1000 Ljubljana	Tel: +386 1 400 60 51 Fax: +386 1 400 62 66 Email: gp-ursk.mz@gov.si Website: http://www.uk.gov.si/
Spain	Instituto Nacional de Toxicología y Ciencias Forenses	Calle José Echegaray, 4 28032 Las Rozas de Madrid, Madrid	Tel: +34 917689800 Email: intcf@mju.es and sit.documentacion@mju.es

Country	Organisation	Address	Phone, e-mail, website
Sweden	The Swedish Poison Information Center at the Medical Product Agency	Giftinformationscentralen, 171 76 STOCKHOLM	Tel: +46 8 331231 Email: giftinformation@gic.se Website: http://www.giftinformation.se/
United Kingdom	National Poisons Information Service (NPIS)	National Poisons Information Service (NPIS) Email: director.birmingham.unit@npis.org	Email: director.birmingham.unit@npis.org Website: http://www.npis.org/
Norway	Norwegian Environment Agency	Postboks 5672 Sluppen, 7485 Trondheim	Tel: +47 73 58 05 00 Email: produktregisteret@miljodir.no Website: http://www.miljodirektoratet.no/no/Tema/Kjemikalier/Produktregisteret/The_Product_Register/