

MATERIAL SAFETY DATA SHEET

Formula:Haze Liquid

Revision: 1.1
Issue Date: Aug. 03, 2015
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Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Haze Liquid
Trade Name : HZL-1W / HZL-5W
Product Type : Stage

Details of the supplier of the material safety data sheet

Manufacturer/Supplier:

Antari Lighting & Effects Ltd.
No.8, Ln. 231, Sec. 1, Nankan Rd., Luzhu Dist., Taoyuan City 338, Taiwan (R.O.C.)
Tel: +886 33225829

Further information obtainable from: Antari Lighting & Effects Ltd.

Emergency telephone number:

Jason Ho
Tel: +886 33225829

Email: jasonho@antari.com.tw

Section 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

*Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.*

Label elements

*The product does not need to be labelled in accordance
with EC directives or respective national laws.*

Other hazards

*This substance/mixture contains no components considered to be either persistent,
bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB)
at levels of 0.1% or higher.*

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Product description : Compounding

Component	CAS No.	Concentration
Glycerol	56-81-5	Proprietary
Distilled Water	7732-18-5	Proprietary

Note(s): This is not a dangerous substance

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Section 4. FIRST AID MEASURES

After inhalation: Supply fresh air; consult doctor in case of complainte.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water.

If symptoms persist, consult a doctor.

After swallowing: if symptoms persist consult doctor.

Section 5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture No further relevant information available.

Protectove equipment: Mouth respiratory protective device.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers / surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Section 7. HANDLING AND STORAGE

Handling:

Precautions for safe handling: Keep receptacles tightly sealed.

Information about protection against explosions and fires: Keep ignition sources away.

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from flammable substances.

Further information about storage conditions: Keep receptacle tightly sealed.

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Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.

56-81-5 glycerol	
PEL (USA)	15* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	10* ppm *Mist
EL (Canada)	10* 3** mg/m ³ *mist; **mist, resirable
EV (Canada)	10 mg/m ³
LMPE (Mexico)	10 mg/m ³ (i)

Additional information: The lists that were valid during the creation were used as basis.

Based on the composition shown in section 3, the following measures are suggested for occupational safety measure

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Suitable respiratory protective device recommended.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Goggles recommended during refilling.

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Section 9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Appearance:

Form: Liquid
Color: Transparent

Odor: Odorless

Odour threshold: Not available

pH-value: Not available

Change in condition

Melting point/Melting range: Not available

Freezing point: Not available

Boiling point/Boiling range: Not available

Flash point: Not available

Flammability (solid, gaseous): Not available

Auto-Ignition temperature: Not available

Decomposition temperature: Not available

Explosion limits:

Lower: Not available

Upper: Not available

Vapor pressure: Not available

Density: Not available

Relative density: Not available

Vapour density: Not available

Evaporation rate: Not available

Solubility in / Miscibility with

Water: Not available

Partition coefficient (n-octanol/water): Not available

Viscosity:

Dynamic: Not available

Kinematic: Not available

Section 10. STABILITY AND REACTIVITY

Reactivity: No decomposition if used according to specifications.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

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Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

56-81-5 glycerol		
Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)

Primary irritant effect:

on the skin: Irritating effect possible

on the eye: Irritating effect possible

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
NTP (National Toxicology Program)
None of the ingredients is listed.

Section 12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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Section 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

Section 14. TRANSPORT INFORMATION

UN-Number	
DOT, IMDG, IATA	Not applicable
UN proper shipping name	
DOT, IMDG, IATA	Not applicable
Transport hazard class(es)	
DOT, ADN, IMDG, IATA	
Class	Not applicable
Packing group	
DOT, IMDG, IATA	Not applicable
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable
EMS Number:	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

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Section 15. REGULATORY INFORMATION

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

Sara

Section 355 (extremely hazardous substances):

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):

Substance is not listed.

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogeny categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

National regulations:

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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Section 16. OTHER INFORMATION

The contents and format of this **MSDS/SDS** are in accordance with **29 CFR 1910.1200(g)**.

DISCLAIMER OF LIABILITY

The information in this **MSDS/SDS** was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This **MSDS/SDS** was prepared and is to be used only for this product. If the product is used as a component in another product, this **MSDS/SDS** information may not be applicable.

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

End of Document



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>).

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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 (Note: This email address is intended to serve exclusively information purposes and not to be used to submit documentation.)
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 (general), mieszaniny@chemikalia.gov.pl (only notifications). 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/

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