

Safety Data Sheet

Issue Date 2018/01/15
Version 1

1. IDENTIFICATION

Identification of the product AQLECONEO HGJ BLK MZ US
Reference number AGHSENA0096265 - 1
Recommended uses and restrictions on use Ink
Supplier TOYO INK AMERICA, LLC
 1225 N. Michael Drive, Wood Dale, IL 60191, USA
 TEL : 866-969-8696
Emergency Telephone Number 800-424-9300 (Chemtrec)

2. HAZARDS IDENTIFICATION

Classification

Health hazards

Carcinogenicity	Category 2
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Physical and chemical hazards

Not classified

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word WARNING

Hazard Statements

Suspected of causing cancer



Color black

Physical State Liquid(viscous)

Odor Oily

Precautionary Statements

Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection

Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statement - Storage

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

OTHER INFORMATION**Hazards not otherwise classified (HNOC)**

No information available

Other hazards

May be harmful in contact with skin

Unknown Acute Toxicity

94.4% of this mixture contains ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance/mixture**

Mixture

Chemical Name	Weight	CAS No.
Vegetable oil	30 - 40%	Trade Secret
Synthetic resin	30 - 40%	Trade Secret
Carbon black	10 - 20%	1333-86-4
Mineral oil	5 - 15%	Trade Secret
Adjuvant	1 - 10%	Trade Secret
Pigment	1 - 5%	Trade Secret

The exact percentage (concentration) and/or the specific chemical identity of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of necessary first-aid measures****Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Get medical attention immediately

Skin contact

Remove as much as possible by wiping
Wash off immediately with soap and plenty of water
Get medical attention immediately if symptoms occur

Inhalation

Move victim to fresh air
Get medical attention immediately if symptoms occur

Ingestion

Get medical attention immediately

Most important symptoms/effects, acute and delayed

Anticipated acute and delayed effects No information available

Most Important Symptoms/Effects

No information available

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable/unsuitable extinguishing media

Extinguishing media Carbon dioxide (CO₂), Foam, Dry powder

Extinguishing Media Which Must Not Be Used For Safety Reasons No information available

Specific hazards arising from the chemical See section 10 (Hazardous decomposition products)

Specific methods May ignite combustibles (wood paper, oil, clothing, etc.)
Cool drums with water spray

Special protective equipment for fire-fighters Wear personal protective equipment
Evacuate area and fight fire from a safe distance

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment, and emergency procedures Wear suitable protective clothing
Evacuate personnel to safe areas

Secondary disaster prevention measures Remove all sources of ignition

Environmental precautions Dike to collect large liquid spills
Keep out of drains, sewers, ditches and waterways

Recovery and neutralization Take up with sand, earth or other non-combustible absorbent material
A lot of leakage things have the flow first stopped by earth and sand etc., and need to be led to a safe place.
Keep in suitable, closed containers for disposal
Use only non-sparking tools

7. HANDLING AND STORAGE

Handling

Technical measures Ensure adequate ventilation
Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal

Advice on safe handling Wash hands before breaks and immediately after handling the product
Do not eat, drink or smoke when using this product

Hygiene measures Handle in accordance with good industrial hygiene and safety practice

Storage

Technical measures/Storage conditions Protect from direct sunlight
Keep container tightly closed in a dry and well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH-TLV	OSHA PEL	NIOSH IDLH
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Carbon black	TWA 3 mg/m ³ inhalable particulate matter	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ PAH
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<u>Engineering measures</u>	Ensure adequate ventilation
<u>Personal protective equipment</u>	
Eye protection	Goggles
Hand protection	Rubber/latex/neoprene or other suitable chemical resistant gloves
Skin and body protection	Long sleeved clothing Chemical resistant apron Antistatic boots
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
<u>Other information</u>	Potential cancer hazard Handle and open container with care Keep locked up.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid(viscous)	Color	black
Odor	Oily	Odor Threshold	No information available

Property

pH VALUE	No information available
Melting point/range	No information available
Boiling Point/Range	No information available
Flash point	132 °C and above -
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	0.9 - 1.1 / 25 °C
Water solubility	poorly soluble
Solubility in other solvents	Soluble in organic solvents
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Molecular Weight	No information available
VOC Content	66 g/l

10. STABILITY AND REACTIVITY

Stability / Hazardous Reactions

Stability	Oxidation polymerization is gradually caused by air.
Possibility of hazardous reactions	When the waste cloths which wiped this product are piled, it generates heat by air-oxidation and possibly fire comes out.
Conditions to avoid	High temperature and high humidity
Materials to avoid	See section 10.

Hazardous decomposition products This product might produce poisonous gases such as CO,NOx by combustion.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure See Section 4

Acute toxicity No acute toxicity information is available for this product

Unknown Acute Toxicity 94.4% of this mixture contains ingredient(s) of unknown toxicity

Chemical Name	Acute toxicity - Oral	Acute toxicity - Dermal	Acute toxicity - Inhalation
Carbon black	LD50 > 15400 mg/kg (Rat)	LD50 > 3 g/kg (Rabbit)	-

Skin corrosion/irritation No Information available as a product

Serious eye damage/eye irritation No Information available as a product

Respiratory sensitization No Information available as a product

Skin sensitization No Information available as a product

Germ cell mutagenicity No Information available as a product

Carcinogenicity The printing ink has been classified by the International Agency for Research on Cancer (IARC) as Group 3(Not Classifiable)

Chemical Name	ACGIH - Carcinogens	IARC - Carcinogens	NTP	U.S. - OSHA Carcinogens
Carbon black	A3	2B	-	Listed

* Exposure to carbon black does not occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint (IARC Monograph 93 [2010]).

Reproductive toxicity No Information available as a product

Specific target organ toxicity (single exposure) No Information available as a product

Specific Target Organ Toxicity (Repeated Exposure) No Information available as a product

Aspiration hazard No Information available as a product

12. ECOLOGICAL INFORMATION

Environmental hazards There is no known ecological information for this product

Persistence and degradability No information available

Bioaccumulative potential No information available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products To discard the container after using up the contents
Dispose of in accordance with federal, state and local regulations

Contaminated packaging Empty containers should be recycling or disposal in accordance with the law

14. TRANSPORT INFORMATION

ADR/RID ICAO/IATA IMDG/IMO

UN number	Not applicable
UN Proper shipping name	Not applicable
UN Classification	Not applicable
Packaging group	Not applicable
Marine pollutant	No
Emergency Response Guide Number	133
Special safety measures	Ground and bond containers when transferring material

15. REGULATORY INFORMATION

Domestic Regulations

U.S. Federal Regulations

TSCA Section 5(a)(2) SNURs

Not applicable

SARA 313

Not applicable

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act

Not applicable

U.S. State Regulations

California Proposition 65

WARNING: This product contains a chemical [or chemicals] known to the State of California to cause cancer, birth defects and/or other reproductive harm.

Chemical Name	U.S. - CA Prop 65 Carcinogens	U.S. - CA Prop 65 Developmental	U.S. - CA Prop 65 Reproductive Male	U.S. - CA Prop 65 Reproductive Female
Carbon black	Listed	-	-	-

The Proposition 65 listing only pertains to airborne, unbound Carbon black particles of respirable size (10 micrometers or less in diameter). Exposure to Carbon black, per se, does not occur when it remains bound within a product matrix such as rubber, ink or paint.

International Regulations**Basel Convention (Hazardous Wastes)**

Not Listed

Montreal Protocol (Ozone Depleting Substances)

Not Listed

Stockholm Convention (Persistent Organic Pollutants)

Not Listed

Rotterdam Convention (Chemicals Subject to Prior Informed Consent (PIC))

Not Listed

A civil law except the above and foreign legal regulation

U.S. TSCA: All ingredients in this product are listed on the Toxic Substances Control Act (TSCA) Inventory.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	NFPA Health Hazard	1	NFPA Flammability	1	NFPA Instability	0	NFPA Special Hazard	-
<u>HMIS</u>	HMIS Health	1	HMIS Flammability	1	HMIS Physical Hazard	0	HMIS Personal Protection	B

Legend**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA:	Time weighted average	STEL:	Short term exposure limit
Ceiling:	Maximum limit value	IDLH:	Immediately Dangerous to Life or Health
S*:	Skin absorption	S+:	Sensitizer

Manufacturer	TOYO INK CO., LTD. 1, Sakae, Kawagoe City, Saitama, 350-0803, JAPAN +81-49-233-2240
Literary reference	ACGIH (American Conference of Governmental Industrial Hygienists) Classification according to Regulation (EC) No. 1272/2008 [CLP] IARC (International Agency for Research on Cancer) NIOSH (National Institute for Occupational Safety and Health) NTP (National Toxicology Program) OSHA (Occupational Safety and Health Administration of the US Department of Labor)
Issue Date	2018/01/15
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- The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.
- When you export this product or the chemical substances including this product, please certainly obey the law of the export destination countries. If you have any questions, please contact our sales division.

End of Safety Data Sheet