

Safety Data Sheet

Issuing Date 2016/05/02

Version 1

1. Identification

Product code	10130340IM
Identification of the product	AQUALESS ULTRA BLACK M
Reference number	OSHAENA0071367 - 1
Recommended uses and restrictions on use	Ink
Supplier	TOYO INK AMERICA, LLC 1225 N. Michael Drive, Wood Dale, IL 60191 U.S.A TEL: +1-630-930-5100 FAX: +1-630-628-1769
Emergency Telephone Number	800-424-9300 (Chemtrec), Acct.CCN22523 (TOYO INK AMERICA, LLC)

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 Solid(paste)

Odor No information available

Precautionary Statements

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Storage

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Hazards not otherwise classified (HNOC)** No information available**OTHER INFORMATION****Unknown Acute Toxicity** 84.5654% of this mixture contains ingredient(s) of unknown toxicity**3. Composition/information on ingredients****Substance/mixture** Mixture

Chemical Name	Weight (%)	CAS No.
Rosin, polymer with formaldehyde, glycerol, pentaerythritol and (1,1,3,3-tetramethylbutyl)phenol	20-30%	68512-70-9
Soybean oil	15-25%	8001-22-7
Carbon black	10-20%	1333-86-4
1-Hexadecene	5-10%	629-73-2
Butyl oleate	5-10%	142-77-8
Cobalt naphthenate	0.1-1%	61789-51-3

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 Water spray, Carbon dioxide (CO₂), Foam, Dry powder, Dry sand

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

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

7. Handling and storage

Handling

Technical measures Ensure adequate ventilation

Advice on safe handling Wash hands before breaks and immediately after handling the product
Smoking, eating and drinking should be prohibited in the application area

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 fraction	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
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	Solid(paste)	Color	black
Odor	No information available	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	Not flammable
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	1.0 - 1.1
Water solubility	Insoluble
Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No information available
VOC Content (%)	Actual value 12.81

10. Stability and reactivity

Stability / Hazardous Reactions

Stability	Stable under normal conditions
Possibility of hazardous reactions	No information available
<u>Conditions to avoid</u>	Heat, flames and sparks
<u>Materials to avoid</u>	No information available
<u>Hazardous decomposition products</u>	No information available

Other information -**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** 84.5654% of this mixture contains ingredient(s) of unknown toxicity

Chemical Name	Acute toxicity - Oral	Acute toxicity - Dermal	Acute toxicity - Inhalation
1-Hexadecene	LD50 > 10000 mg/kg (Rat)	LD50 > 10000 mg/kg (Rabbit)	-

Skin corrosion/irritation No information available**Serious eye damage/eye irritation** No information available**Respiratory sensitization** No Information available as a product**Skin sensitization** No information available**Germ cell mutagenicity** No information available**Carcinogenicity** There are no known carcinogenic chemicals in this product.

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

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**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**RCRA (Resource Conservation and Recovery Act)**

Chemical Name	RCRA - 40 CFR 261 Appendix VIII	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes	RCRA - P Series Wastes
Ethylbenzene	-	Included in waste stream: F039	-	-	-
Xylene	-	Included in waste stream: F039	-	U239	-

14. Transport information

ADR/RID ICAO/IATA IMDG/IMO

UN number -

Marine pollutant Not applicable

Special safety measures Ground and bond containers when transferring material

15. Regulatory information

International Inventories

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

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

Chemical Name	CAA - HON Rule - Organic HAPs
Ethylbenzene	X
Xylene	X

CERCLA

Chemical Name	CERCLA/SARA Hazardous Substances RQs
Ethylbenzene	1000 lb
Xylene	100 lb

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
Ethylbenzene	X	-	-	-

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	New Jersey - Special Health Hazards Substances List	Pennsylvania	Massachusetts
Ethylbenzene	-	-	Environmental hazard	-
Xylene	-	-	Environmental hazard	-
Carbon black	X	>=0.1%	Present	X
Cobalt naphthenate	-	>=0.1%	-	-
Soybean oil	-	-	Present	-

16. Other information

NFPA	NFPA Health Hazard	1	NFPA Flammability	1	NFPA Instability	1	NFPA Special Hazard	-
HMIS	HMIS Health Hazard	1	HMIS Flammability	1	HMIS Physical Hazard	1	HMIS Personal Protection	-

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 Same as Supplier

Literary reference ACGIH (American Conference of Governmental Industrial Hygienists)
IARC (International Agency for Research on Cancer)
Classification according to Regulation (EC) No. 1272/2008 [CLP]
NIOSH (National Institute for Occupational Safety and Health)
NTP (National Toxicology Program)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)

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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.

End of Safety Data Sheet