



Worldwide Manufacturing, E.D.

Manufacturer and supplier of consumables for printers and copiers, where quality and prompt service come together

MSHELENA
Revised on: May 20, 2013

MATERIAL SAFETY DATA SHEET

Section 1. Product and Company identification

Product name: Ink jet inks
Product codes: HELENA/B, HELENA/C, HELENA/M, HELENA/Y.
Colors: Black, Cyan, Magenta, Yellow
Manufacturer: Worldwide Manufacturing, E.D.
114 Lenin Str.
Sofievska Borschagovka,
Kiev-Svyatoshin,
Kiev Region
08131, Ukraine
Chemical name: Pigmented and non-pigmented water-based ink for inkjet printers
Emergency Phone: tel. +380 44 4905155
fax. +380 44 4927838
web-site: www.wwm.ua

Section 2. Composition information

№	Ingredient	Not more (% by weight)	CAS №
1	Black color dye	15	-
2	Diethylene Glycol	5	111-46-6
3	Triethylene Glycol	5	112-27-6
4	Glycerin	30	56-81-5
5	Salt-free water	92	7732-18-5

Additionally the product can contain modifiers to adjust chemical and physical characteristics.

Section 3. Health Hazard Data

Eyes and skin: Moderately irritating to eyes & skin may result on contact. Contact with skin may cause irritation, redness.

Ingestion: Ingestion may result in gastric track disorder.

Inhalation: Not considered a health hazard under normal (recommended) conditions of use. Inhalation of dried out ink powder/dust may irritate the respiratory tract. Intentional exposure to ink vapors may cause respiratory irritation.

Section 4. First aid measures

Skin contact: Wash off with soap and plenty of water. It is recommended to wash soiled clothing before use again. If irritation persists, call physician.

Eyes contact: Wash eyes immediately with water for about 10 minutes. If irritation persists, call physician.

Inhalation: Get person to fresh air. Call physician, if necessary.

Ingestion: Drink large amount of water. Call physician.

Section 5. Fire fighting measures

Flash point: None

Flammability: Not flammable

Extinguishing media: Carbon dioxide, water, dry foam

Special fire fighting procedures: None

Section 6. Accidental release measures

Spills should be swept up with absorbent material and wash off with water. Used materials should be placed into closed container for disposal. No eye protections required during clean up. Use gloves when cleaning.

Section 7. Handling and storage

Safe handling: No special measures required when handling. Keep containers, drums and bottles with ink closed.

Storage conditions: The product should be stored in dark, cool, dry place, out of direct sunlight to avoid inks fading. The recommended temperature to store is between +5 and 25 degrees Centigrade.

Section 8. Exposure controls and personal protection

Exposure control: None required

Personal protection: Avoid unnecessary skin contact; wear plastic or rubber chemical resistant gloves. Wash hands carefully after handling the products.

Section 9. Physical/Chemical characteristics

Boiling point: > 100 deg. C

Vapor pressure: not tested

Vapor density: not tested

Solubility in water: miscible with any amount of water

Specific gravity: 1,05-1,15 g/sm³

Melting point: below 0 deg. C

Evaporation rate: not tested

Appearance: color liquid

Odor: odorless or mild odor

pH: 5,5-9,0

Section 10. Stability and Reactivity

Stability: stable at the recommended handling and storage conditions.

Conditions to avoid: freezing, overheating, direct sunlight

Hazardous polymerization: will not occur

Incompatible materials to avoid: water different from salt-free or distilled, oxidizers, salts solutions

Hazardous decomposition products: CO, CO₂, nitrogen oxides

Section 11. Toxicology and health hazards

Possible effects of overexposure are:

Eyes: May cause mild to severe eye irritation

Skin: May cause skin irritation

Inhalation: May cause respiratory tract irritation

Ingestion: May cause gastric track disorder

Chronic health hazards: none known at this time

Section 12. Ecological information

No information available

Section 13. Disposal considerations

Dispose of waste in accordance with federal, state and local regulations and laws.

Section 14. Transportation information

No classification assigned.

Section 15. Regulatory information

Markings: No mark after decree of danger matter.

National regulations: Not available

Section 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. This information relates to the products designated herein and cannot be valid for such product used in combination with any other product.

This MSDS supersedes any previous version of MSDS.