



Safety Data Sheet

D00112-BLACK MEK INK 5 GAL.

Section 1. Identification

Product Identifier D00112-BLACK MEK INK 5 GAL.
Synonyms Black MEK DOD Ink
Manufacture Stock Numbers N/A

Recommended use Printing
Uses advised against N/A

Manufacturer Contact
Address ZANASI USA
9490 Hemlock Lane North
Maple Grove, MN, 55369
HENNEPIN

Phone
(763) 593-1907

Emergency Phone Fax
(800) 424-9300 (763) 593-1941
CHEMTREC 24
HOUR ER LINE

Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2A
FLAMMABLE LIQUIDS - Category 2
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3

Signal Word Danger

Pictogram



Hazard Statements Causes serious eye irritation
Highly flammable liquid and vapor
May cause respiratory irritation; or May cause drowsiness or dizziness

Precautionary Statements
Response

Call a poison center/doctor/ ... /if you feel unwell.
If eye irritation persists: Get medical advice/attention.

	<p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p>
Prevention	<p>Avoid breathing dust/fume/gas/mist/ vapors/spray.</p> <p>Ground/bond container and receiving equipment.</p> <p>Keep away from heat/spark/flame/hot surfaces. -No smoking.</p> <p>Take precautionary measures against static discharge.</p> <p>Use explosion-proof electrical/ventilating/lighting/.../equipment.</p> <p>Use only non-sparking tools.</p> <p>Wear protective gloves/eye protection/face protection</p>
Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	<p>Eye Contact: Vapors are irritating to the eyes. Splashes can produce painful irritation and eye damage. Skin Contact: Skin contact results in loss of natural oils and often results in a characteristic dermatitis. Symptoms include redness, itching, and pain. May be absorbed through the skin with possible systemic effects. May cause cyanosis of the extremities. Ingestion: Ingestion is considered a medical emergency. Swallowing may cause abdominal spasms and other symptoms that parallel over-exposure from inhalation. Aspiration of material into the lungs can cause chemical pneumonitis, which may be fatal. Inhalation: Inhalation of the vapors may cause irritation of the nose, throat and upper respiratory tract. Symptoms of overexposure may include fatigue, confusion, headache, dizziness, vomiting, breathing difficulties and drowsiness. Peculiar skin sensations (e.g. pins and needles) or numbness may be produced. Very high concentrations may cause central nervous system depression, unconsciousness, and death. Primary Route of Entry: Inhalation, skin absorption, skin contact, and eye contact. Chronic Exposure: Chronic inhalation can cause headache, loss of appetite, and nervousness. Pre-Existing Conditions: Persons with pre-existing skin disorders, eye problems, impaired liver, kidney, blood, or respiratory function may be more susceptible to the effects of this product.</p> <p>No Data Available</p>

Section 3. Ingredients

CAS	Ingredient Name	Weight %
000107-98-2	Glycol Ether PM Dyestuffs	3% - Max
78-93-3	Methyl ethyl ketone	64% - Max
9004-70-0	Nitrocellulose	Unknown
64-17-5	Ethanol	Unknown
71-23-8	Normal Propanol	Unknown

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

EYE CONTACT	Eye Contact: Flush with copious amounts of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.
SKIN CONTACT	Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician immediately.
INHALATION	Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
INGESTION	Ingestion: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to help prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Alcohol foam, CO ₂ , dry chemical, water fog. Do not use a direct stream of water. Product can float and can be reignited on the surface of the water.
Unsuitable Extinguishing Media	N/A
Fire fighting instructions	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Extremely flammable liquid and vapor. Vapor may cause flash fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.
Unusual fire and explosion hazards	Unusual fire and explosion hazards: This highly flammable liquid must be kept away from sparks, open flames, hot surfaces, and all sources of heat and ignition. Decomposition materials may emit acrid smoke and irritating fumes. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (including empty) because product can ignite explosively.
Flash Point:	23F

Section 6. Accidental Release Measures

Spill Procedure:	Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (i.e., vermiculite, dry sand, and earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. DO NOT FLUSH TO SEWER! If leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.
------------------	--

Section 7. Handling and Storage

Handling: Protect against physical damage. Store in a cool, dry, well-ventilated location, away from any area where the fire hazard may be acute. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use area should be NO SMOKING areas. Use non-sparking tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Glycol Ether PM Dyestuffs	100	150	N/A
	Methyl ethyl ketone	200ppm	200ppm	300ppm
	Nitrocellulose	N/A	N/A	N/A
	Ethanol	1000	1000	N/A
	Normal Propanol	200	200	N/A
Personal Protective Equipment	Goggles, Gloves, Apron			
RESPIRATORY PROTECTION:	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirement must be followed whenever workplace conditions warrant a respirators use.			
VENTILATION SYSTEM:	A system of local and or general exhaust is recommended to keep employee exposures below the Airborne exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into general work area. Use explosion-proof equipment.			
Skin Protection:	Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls, as appropriate, to prevent skin contact. Check with your safety supplier for the proper chemical-resistant gloves.			
EYE PROTECTION:	Use chemical safety glasses or goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick drench facilities in work area.			

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Black
Odor	Sweet/pungent, solvent odor
Odor Threshold	N/A
Solubility	Negligible
Partition coefficient Water/n-octanol	N/A
Viscosity	N/A
Specific Gravity	0.8076
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	23F
FP Method	TCC
Ph	N/A
Melting Point	N/A
Boiling Point	175F
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	5.70
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	2.5

Section 10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions to Avoid:	Heat, flames, sparks, ignition sources and incompatibles.
Incompatibility (materials to avoid):	Strong oxidizing agents
Hazardous polymerization:	Will Not Occur.
Hazardous Decomposition Products:	Thermal decomposition may yield carbon monoxide.

Section 11. Toxicological Information

Epidemiology (Ethanol):	Ethanol has been shown to produce fetotoxicity in the embryo or fetus of laboratory animals. Prenatal exposure to ethanol is associated with a distinct pattern of congenital malformations that have collectively been termed, "fetal alcohol syndrome".
Methyl Ethyl Ketone:	Minimally toxic. May be irritating to the respiratory tract. Effects are reversible. May dry the skin leading to discomfort and dermatitis. Irritating to eyes and will injure eye tissue. All above based on available test data for Methyl Ethyl Ketone.

Section 12. Ecological Information

Environmental Toxicity: The Ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. Do not discharge product to the environment.

Section 13. Disposal

Waste disposal method: Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. The user of this material has the responsibility to dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14. Transport Information

UN Number 1210
UN Proper Shipping Name UN1210, PRINTING INK, CLASS 3, PG II
DOT Classification 3
Packing Group PG II
IATA Regulations: Proper Shipping-UN1210, Printing Ink, 3, PGII
Label Required: Flammable

Section 15. Regulatory Information

HMIS Hazard Rating: Health- 3; Fire- 3; Reactivity- 1

Section 16. Other Information

Revision Date 8/15/2014

Disclaimer: The information accumulated herein is believed to be accurate and represents the best data currently available. It is the user's responsibility to determine suitability of use. No warranty, expressed or implied, is made and ZANASI USA assumes no legal responsibility or liability resulting from its use. Materials comprising <1% by weight, or <0.1% by weight if the chemical is a carcinogen, are not listed herein.