



Safety Data Sheet

D00191- WHITE MEK INK 1 GAL.

Section 1. Identification

Product Identifier D00191- WHITE MEK INK 1 GAL.
Synonyms White 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> <p>In case of fire: Use ... to extinguish.</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/sparks/open flames/hot surfaces. - No smoking.</p> <p>Keep container tightly closed.</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>Use only outdoors or in a well-ventilated area.</p> <p>Wash ...thoroughly after handling.</p> <p>Wear eye protection/face protection.</p> <p>Wear protective gloves/eye protection/face protection</p>
Storage	<p>Store in a well-ventilated place. Keep container tightly closed.</p> <p>Store locked up.</p>
Disposal	<p>N/A</p>
Ingredients of unknown toxicity	<p>0%</p>
Hazards not Otherwise Classified	<p>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.</p> <p>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.</p> <p>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.</p> <p>Eye Contact: Vapors are irritating to the eyes. Splashes can produce painful irritation and eye damage.</p> <p>Primary Route of Entry: Inhalation, skin absorption, skin contact, and eye contact.</p> <p>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>Chronic Exposure: Chronic inhalation can cause headache, loss of appetite, and nervousness.</p> <p>No Data Available</p>

Section 3. Ingredients

CAS	Ingredient Name	Weight %
67-63-0	Isopropyl alcohol	0.5% - 2%
9004-70-0	Nitrocellulose	1% - 3%
141-78-6	Ethyl Acetate	1% - 5%
64-17-5	Ethyl alcohol	20% - 25%
107-98-2	PM Solvent	3% - 6%
78-93-3	Methyl ethyl ketone	35% - 45%
Proprietary	MODIFIED STYRENE ACRYLIC POLYMERS	5% - 10%

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	Dry chemical, foam, or carbon dioxide. Water may be used to flush spill away from exposure and dilute spills to non-flammable mixtures.
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.

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.

US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities.

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
	Isopropyl alcohol	200	400	N/A
	Nitrocellulose	N/A	N/A	N/A
	Ethyl Acetate	400ppm	400ppm	N/A
	Ethyl alcohol	1000	1000	N/A
	PM Solvent	100	N/A	N/A
	Methyl ethyl ketone	200ppm	200ppm	300ppm
	MODIFIED STYRENE ACRYLIC POLYMERS	0	N/A	N/A

Personal Protective Equipment

EYE PROTECTION: Goggles, Gloves, Apron
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.

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.

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.

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.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	White
Odor	Sweet, pungent, solvent odor
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	70
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
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):	Oxidizing materials, caustics, amines, ammonia, strong bases, chlorine, chloroform, chlorosulfonic acid, nitrogen tetroxide, oleum, potassium-t-butoxide, heat or flame, hydrogen peroxide, nitric acid, isocyanates. Can attack many plastics, resins, and rubber.
Hazardous decomposition or byproducts:	Carbon monoxide, carbon dioxide.
Hazardous polymerization:	Will Not Occur.

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".
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Section 12. Ecological Information

Environmental Toxicity (MEK): This Material is expected to be toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

Section 13. Disposal

Waste Disposal Method: Recovered and non-usable material may be regulated as a hazardous waste due to its ignitability and/or its toxic characteristics. It is the responsibility of the user to determine if the material is a RCRA "hazardous waste" at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations. State and/or local regulations may be more restrictive.

Section 14. Transport Information

UN Number	1210
UN Proper Shipping Name	PRINTING INK
DOT Classification	3 (Flammable Liquid)
Packing Group	II
IATA Regulations:	Proper Shipping-UN1210, Printing Ink, 3, PGII

Section 15. Regulatory Information

Toxic Substances Chemical Inventory (TSCA): This product (and/or all of its components) is in compliance with USEPA TSCA.

Section 16. Other Information

Revision Date	8/18/2014
HMIS Hazard Ratings:	Health-2; Fire-3; Reactivity-1
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.