

SDS Revision Date: October 11, 2023

Section 1. Identification

Product Identifier: MSB Series - MSB-100 Clear

Chemical Name: Mixture CAS Number: Mixture

Other Means of Identification: WOW & MSB Series

Product Type: Solid

Relevant identified uses of the substance or mixture and uses advised against

Product USE: Industrial Applications. Screen Printing

Supplier's Details: Multi-Tech, Inc.

5101 Penrose St., St. Louis, MO 63115

314-382-9881

Emergency Telephone Number: CHEMTREC: 800-424-9300 (24hrs for spill, leak, fire,

exposure or accident).

Section 2. Hazard(s) Identification

This mixture has not been evaluated as a composit item. The information provided herein on the health effects of this ink is based on its individual components, supplied to the manufacturer by its raw material suppliers. All ingredients are bound and potential for hazardous exposure as shipped is minimal. During the curing/drying process, however, some vapors may be released and the end-user must take necessary precautions, like providing proper ventilation and/or respiratory protection, to protect employees.

GHS Product Identifier: Not Applicable - None

Chemical Name:MixtureCAS Number:MixtureProduct Type:Solid

Prevention:No GHS prevention statementsResponse:No GHS prevention statementsStorage:No GHS prevention statementsDisposal:No GHS prevention statements

Label Elements: No Signal Word



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Section 3. Composition/Information on Ingredients

Substance/Mixture:MixtureChemical Name:MixtureCAS Number:N/A

Ingredient Name	%	CAS Number
Trade Secret		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

Section 4. First Aid Measures

Description of first aid measures:

Eye contact: Flush eyes with water, occasionally lifting the upper and lower eyelids.

Remove any contact lenses. Get medical attention if irritation occurs.

Inhalation: Move victim to fresh air and keep at rest in a position comfortable for

breathing. Get medical attention if symptoms occur.

Skin contact: Flush contaminated skin with soap and water. Remove contaminated

clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Move victim to fresh air and keep at rest in a

position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

Seek medical attention if necessary.



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Section 4. First Aid Measures

Description of most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact:No known significant effects or critical hazards.Inhalation:No known significant effects or critical hazards.Skin contact:No known significant effects or critical hazards.Ingestion:No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact:No specific data.Inhalation:No specific data.Skin contact:No specific data.Ingestion:No specific data.

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

Notes to physician:Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested.

Specific treatments: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or

without suitable training.

See toxicological information (Section 11)

Section 5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: In case of fire, use water spray (fog), foam, dry chemical or

CO2.

Unsuitable extinguishing media: None known.

Specific hazards arising

from the chemical: No specific fire or explosion hazard.

Hazardous thermal

decomposition products:May emit Hydrogen Chloride (HCl).

Decomposition may include the following materials: carbon

dioxide, carbon monoxide, halogenated compounds metal

oxide/oxides.



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Section 5. Fire-Fighting Measures (continued)

Special protective actions

for fire-fighters: Promptly isolate the scene by removing all persons from the

vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment

for fire-fighters: Fire-fighters should wear appropriate protective equipment

and self-contained breathing apparatus (SCBA) with a full

face-piece operated in positive pressure mode.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or with-

out suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate

personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spill-

age, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For

non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact

with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollu-

tion (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill: Move containers from spill area. Vacuum or sweep up ma-

terial and place in a designated, labeled waste container.

Dispose of via a licensed waste disposal contractor.

Large spill: Move containers from spill area. Prevent entry into sewers,

water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact infor-

mation and Section 13 for waste disposal.



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Section 7. Handling and Storage

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8).

Advice on general

occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this

material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See

also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any

incompatibilities: Store in accordance with local regulations. Store in original container protected from direct supliable in a dry cool and well-ventilated area. Keep

tected from direct sunlight in a dry, cool and well-ventilated area, Keep container closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate contain-

ment to avoid environmental contamination.

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Ingredient Name	Exposure Limits		
	OSHA PEL 1989 (1989-03-01) PEL: Permissible Exposure Level: None known at this time OSHA PEL (1993-06-30) PEL: Permissible Exposure Level: None known at this time NIOSH REL (1994-06-01)		
	ACGIH TLV (1996-05-18) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 10 mg/m3		



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Section 8. Exposure Controls/Personal Protection (continued)

Appropriate engineering controls: Good general ventilation should be sufficient to control

worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should

be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to accept-

able levels.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling

chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Ensure that eyewash stations and safety

showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard

should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or

dusts.

Skin protection:

Hand protection: Chemical-resistant, impervious gloves complying with an

approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is

necessary.

Body protection: Personal protective equipment for the body should be

selected based on the task being performed and the risks

involved.

Other skin protection: Appropriate footwear and any additional skin protection

measures should be selected based on the task being per-

formed.

Respiratory protection: Use a properly fitted, particulate filter respirator complying

with an approved standard if a risk assessment indicates this

is necessary.



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Section 9. Physical and Chemical Properties

Appearance

Physical state Solid [Paste.]

Color:VariesOdor:Faint.

Odor threshold: Not available. pH: Not available. Melting point: Not available. **Boiling point:** Not available. Flash point: > 212 °F (> 100 °C) **Burning time:** Not available. **Burning rate:** Not available. **Evaporation rate:** Not available. Flammability (solid, gas): Not available.

Lower and upper explosive

(flammable) limits: Lower: Not available.

Upper: Not available.

Vapor pressure:Not available.Vapor density:Not available.Relative density:Not available.Solubility:Not available.Solubility in water:insoluble in water.

Partition coefficient:

n- octanol/water:
 Auto-ignition temperature:
 Decomposition temperature:
 SADT:
 Not available.
 Not available.
 Not available.

Viscosity: Dynamic: Not available.

Kinematic: Not available.

Section 10. Stability and Reactivity

Reactivity:No specific test data related to reactivity available for this

product or its ingredients.

Chemical stability: Stable under recommended storage and handling condi-

tions (see Section 7).

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous

reactions will not occur.

Conditions to avoid: Keep away from extreme heat and oxidizing agents.

Incompatible materials: Avoid contact with acetal homopolymers and acetyl ho-

mopolymers during processing.

Hazardous decomposition

products: Under normal conditions of storage and use, hazardous de-

composition products should not be produced.



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Section 11. Toxicological Information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-

Conclusion/Summary Mix

Mixture. Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
	Skin - Mild irritant	Human		72 hrs	

Conclusion/Summary

Skin: Mixture. Not fully tested.

Eyes: Mixture. Not fully tested.

Respiratory: Mixture. Not fully tested.

Sensitization

Conclusion/Summary

Skin: Mixture. Not fully tested. Respiratory: Mixture. Not fully tested.

Mutagenicity

Conclusion/Summary: Mixture. Not fully tested.

Carcinogenicity

Conclusion/Summary: Mixture. Not fully tested.

Product/ingredient name	OSHA	IRAC	NTP
Titanium dioxide		2B	

Reproductive toxicity

Conclusion/Summary: Mixture. Not fully tested.

Teratogenicity

Conclusion/Summary: Mixture. Not fully tested.



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Section 11. Toxicological Information (continued)

Specific target organ toxicity (single exposure):Not available.

Specific target organ toxicity (repeated exposure): Not available.

Aspiration hazard: Not available.

Information on the likely routes of exposure:Not available.

Potential acute health effects

Eye contact:No known significant effects or critical hazards.Inhalation:No known significant effects or critical hazards.Skin contact:No known significant effects or critical hazards.Ingestion:No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact:No specific data.Inhalation:No specific data.Skin contact:No specific data.Ingestion:No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: Not available. **Potential delayed effects:** Not available.

Long term exposure

Potential immediate effects: Not available. Potential delayed effects: Not available.

Potential chronic health effects

Conclusion/Summary: Mixture. Not fully tested.

General:

Carcinogenicity:

No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates:Not available.



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Section 12. Ecological Information

There is no published data for this product.

Conclusion/Summary: Chemicals are not readily available as they are bound

within the polymer matrix.

Section 13. Disposable Considerations

Disposal methods: The generation of waste should be avoided or minimized

wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil,

waterways, drains and sewers.

United States - RCRA

Acute hazardous waste "P" List: Not listed

United States - RCRA

Toxic hazardous waste "U" List: Not listed



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Section 14. Transport Information

U.S. DOT Classification: Not regulated for transportation.

ICAO/IATA: Not classified as dangerous good under transport regulations.

IMO/IMDG (maritime): Not classified as dangerous good under transport regulations.

Section 15. Regulatory Information

U.S. Federal regulations: United States - TSCA 12(b) - Chemical export notification: None of the components are listed.

United States - TSCA 4(a) - Final Test Rules: Not listed

United States - TSCA 4(a) - ITC Priority list: Not listed United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed

United States - TSCA 5(a)2 - Final significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed

United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined

United States - TSCA 8(a) - Preliminary assessment report

(PAIR): Listed Poly(dimethylsiloxane)

United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed

United States - TSCA 8(d) - Health and safety studies: Not listed

United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Vinyl chloride monomer Phenol

United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Listed

United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed

United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed

United States - Department of commerce - Precursor chemical: Not listed



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Section 15. Regulatory Information (continued)

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed Clean Air Act Section 602 Class I Substances: Not listed Clean Air Act Section 602 Class II Substances: Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed DEA List II Chemicals (Essential Chemicals): Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302): not applicable

SARA 311/312

Classification: Not applicable.

Composition/information on ingredients

Name	%	Classification
Trade Secret		

SARA 313

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts:

None of the components are listed.

New York:

None of the components are listed.

The following components are listed:

Titanium dioxide Aluminum oxide

Ethene, chloro-, homopolymer

Pennsylvania: The following components are listed:

Aluminum oxide Titanium dioxide



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Section 15. Regulatory Information (continued)

California Prop. 65

WARNING: This product may contain a chemicals known to the State of California to cause can-

cer.

United States inventory (TSCA 8b):

Canada inventory:

All components are listed or exempted.

All components are listed or exempted.

International regulations

International lists: Australia inventory (AICS): Not determined.

Taiwan Chemical Substances Inventory (TCSI): Not deter-

mined.

Malaysia Inventory (EHS Register): Not determined. EINECS: All components are listed or exempted.

Japan inventory: All components are listed or exempted. China inventory (IECSC): All components are listed or ex-

empted.

Korea inventory: Not determined.

New Zealand Inventory of Chemicals (NZIoC): Not deter-

mined.

Philippines inventory (PICCS): Not determined.

Chemical Weapons Convention

List Schedule I Chemicals:

Chemical Weapons Convention List Schedule II Chemicals:

Chemical Weapons Convention

List Schedule III Chemicals:

Not listed

Not listed

Not listed



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Section 16. Other Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

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Multi-Tech believes to the best of its knowledge that the information provided herein, is factual and the recommendations made are accurate as of the date shown. However, no representation or warranty is made as to their completeness or accuracy.

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