

Midwest Graphic Sales, Inc.

150 S. Church St. Unit D
Addison, IL 60101

Telephone 630-628-5199
Email: mgsinc@hotmail.com

1. PRODUCT AND COMPANY IDENTIFICATION

Name of the product: HS-3000 Silicone Emulsion

Recommended use: Slip agent in printing inks and coatings

Producer:

MIDWEST GRAPHIC SALES INC.
150 S. CHURCH ST. UNIT D
ADDISON, IL 60101 USA

Telephone no.: 630-628-5199

Emergency no. 630-620-5171

2. HAZARD(S) IDENTIFICATION

NFPA Code: Health-2, Flammability-1, Reactivity-0

HMIS Code: Health-2, Flammability-1, Reactivity-0

GHS Classification

Skin irritation : Category 2

Serious eye damage : Category 1

Reproductive toxicity : Category 2

GHS Label element

Hazard pictograms :



Signal Word : Danger

Hazard Statements :
H315 Causes skin irritation.
H318 Causes serious eye damage.
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements : **Prevention:**

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage: P405 Store locked up.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
None known.

Potential Health Effects:

Eye contact: Direct contact may cause redness and swelling and severe irritation

Skin contact: May cause slight irritation.

Ingestion: May cause vomiting and irritation to the mouth, throat and stomach.

Inhalation: No significant health hazards identified

Precautionary statements:

Keep container tightly closed.

Keep away from heat/sparks/open flame. - No smoking.

Wear protective gloves and eye/face protection.

May cause eye and skin irritation

Store in cool/well-ventilated place

Use with local exhaust ventilation

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>%</u>
Secondary alcohol ethoxylated	84133-50-6	5.0-15.0
Ethylbenzene	100-41-4	< 0.5
Water	7732-18-5	40-50
Silicone polymer	Proprietary	40-50

4. FIRST-AID MEASURES

Inhalation:

Remove person to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, give artificial respiration.

Skin contact:

Wash the contaminated area with soap and water. Remove contaminated clothing and wash

before reuse. If irritation develops, get medical attention.

Eye contact:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion:

If swallowed, do NOT induce vomiting. Seek immediate medical attention.

5. FIREFIGHTING MEASURES

Flashpoint: >212 F

Method used: Closed cup

Flammable limits:

LEL (% vol. in air): ND

UEL (% vol. in air): ND

Auto ignition temperature: ND

Suitable extinguishing media: Foam, extinguishing powder, carbon dioxide, water fog. In case of fire, cool endangered containers with water fog.

Unsuitable extinguishing media: High pressure water jet.

Specific hazards in case of fire: None are known.

Special protective equipment and precaution for fire fighters: For fires in enclosed areas, wear self-contained breathing apparatus and protective clothing. Do not inhale combustion gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Depending on extent of release, consider the need for fire fighters/emergency responders with adequate personal protective equipment for cleaning up. Dike around spilled material as it may present a slip hazard.

Do not eat, drink or smoke while cleaning up. Use a self-contained respirator, a mask with filter (type A class 3) or a filtering mask (e.g., EN 405). Wear protective clothing, safety glasses and impervious gloves (e.g., neoprene gloves). Ensure adequate ventilation. Avoid all sources of ignition; hot surfaces and open flames (see also Section 7).

Environmental precautions:

Prevent spills from entering storm sewers or drains and contact with soil.

Methods and materials for containment and cleaning up:

Eliminate all ignition sources. Runoff may create fire or explosion hazard in sewer system. Absorb on fire retardant, liquid-absorbing material (treated sawdust, diatomaceous earth, sand). Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal (see also Section 13).

7. HANDLING AND STORAGE

Handling:

Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts and shoes and other items that cannot be decontaminated. Traces of benzene (carcinogen) may form if heated above 300F, review OSHA benzene regulation for detailed information on safe handling requirements when handling at elevated temperatures.

Keep away from heat and flame. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools.

Storage:

Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Ground lines and equipment used during transfer to reduce the possibility of static spark-initiated fire or explosion. Store in a cool, dry place. Store out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage.

Empty containers may contain toxic, flammable and explosive residue or vapors. Do not cut, grind, drill, or weld on or near containers unless precautions are taken against these hazards.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits:

<u>CAS#</u>	<u>Component name</u>	<u>Exposure Limits</u>
100-41-4	Ethylbenzene	OSHA PEL (final rule): TWA 100ppm, 435 mg/m ³ . ACGIH TLV: TWA 100 ppm, STEL 125 ppm

Engineering Controls: Local exhaust ventilation may be necessary to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment (PPE)

Eye Protection: Wear chemical safety goggles and face shield. Have eye-wash stations available where eye contact can occur.

Skin Protection: Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection. A safety shower should be located in the work area.

Respiratory Protection: If exposure limits are exceeded, NIOSH approved respiratory protection should be worn. Engineering controls are the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 100°C

Vapor Density (Air=1): ND

% Non-Volatile: ~56 +/-2%

Odor/Appearance: White liquid emulsion with mild odor

Specific Gravity: ~0.98 @25C

Viscosity: 30-40 seconds # 3 Zahn Signature Cup @ 25°C

pH: 6.8 +/- 0.5

10. Stability and Reactivity

Stability: Stable

Incompatibility: May be incompatible with oxidizing agents and strong acids. Avoid excessive heat and open flames.

Hazardous Reactions/Decomposition Products: Thermal decomposition products may include oxides of sulfur, and carbon monoxide and carbon dioxide, silicon dioxide, formaldehyde.

Materials to avoid: Oxidizing materials, chlorine, and fluorine.

11. TOXICOLOGICAL INFORMATION

Component Toxicology Information

A component of this material applied to the skin of rabbits at very large doses for a 24 hour period caused injury to the lungs. This may be a unique response with rabbits and its significance to humans is unknown.

Special Hazard Information on Components

Carcinogens

<u>CAS#</u>	<u>Weight %</u>	<u>Component Name</u>
100-41-4	<0.5	Ethylbenzene IARC Group 2B-Possibly Carcinogenic to humans

Other information: This product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

12. ECOLOGICAL INFORMATION

This product has not been tested. The statements of ecotoxicology have been derived from products of a similar structure and composition

This product is poorly biodegradable.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with national, state and local regulations. Chemical additions, processing or otherwise altering this material may make waste management information presented in the MSDS incomplete, inaccurate or otherwise inappropriate.

14. TRANSPORT INFORMATION

U.S. Department of Transportation: Not regulated

Land transport: Refer to BOL or container label for transportation label if any.

Air transport: Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

TSCA Inventory Status: All chemical substances in this material are included on or exempted from listing.

U.S. Regulations: CA PROP 65

This product may contain a chemical known to the State of California to cause cancer:
Ethylbenzene 100-41-4

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

Section 302: Extremely Hazardous Substances (40 CFR 355): None

Section 304: CERCLA Hazardous Substances (40 CFR 302):

<u>CAS #</u>	<u>Wt. %</u>	<u>Component Name</u>
1330-20-7	<0.3	Xylene

Section 311/312 Hazard class (40 CFR 370)

Acute: Yes
Chronic: Yes
Fire: No
Pressure: No
Reactive: No

Section 313 Toxic Chemicals (40 CFR 72)

<u>CAS #</u>	<u>Weight %</u>	<u>Component Name</u>	
100-41-4	<0.5	Ethylbenzene	Carcinogenic

16. OTHER INFORMATION

MSDS Preparation date: March 2, 2020

This MSDS and the information it contains is offered to you in good faith. We have reviewed any information contained in this data sheet which we have received from sources outside of our company. The following information contained herein is accurate to the best of our knowledge but cannot guarantee its accuracy or completeness. Our Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. It is the user's obligation to evaluate and use this product safety sheet and to comply with all applicable laws and regulations. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.