SAFETY DATA SHEET

SECTION 1 - Identification:

PRODUCT NAME: Microspersion 28AL-50

SDS NUMBER: MCS-28AL-50

MANUFACTURER'S NAME: Micro Powders
ADDRESS: 580 White Plains Road
Tarrytown, NY 10591

CHEMTREC PHONE: 800-424-9300
INFORMATION PHONE: 914-793-4058
SDS DATE: 1/28/2026
PREPARED BY: EH&S Group

INTENDED USE: Wax additive

SECTION 2 - Hazard identification:

CLASSIFICATION:

OSHA 29CFR 1910.1200
Not a hazardous substance or mixture

REGULATION (EC) No 1272/2008
Not a hazardous substance or mixture

LABEL ELEMENTS:

OSHA 29CFR 1910.1200
Not a hazardous substance or mixture

REGULATION (EC) No 1272/2008
Not a hazardous substance or mixture

SECTION 3 - Composition/information on ingredients:

Nonionic wax dispersion of Synthetic wax/aluminum oxide
Aluminum oxide
Ammonium hydroxide CAS # 1336-21-6 (< 1%)

SECTION 4 - First-aid measures:

IF IN EYES: Immediately flush with copious amounts of water for at least 20 minutes.

IF ON SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water.

IF INGESTED: Do not induce vomiting; aspiration hazard. Dilute with 1-2 glasses of water. Get medical aid. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

SECTION 5 - Fire-fighting measures:

OSHA FLAMMABILITY CLASS: Non-combustible liquid.

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, dry chemical or fine water spray. Avoid water stream on molten burning material as it may scatter and spread the fire.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing approved by NIOSH. Watch footing on floors and stairs because of possible melting and spreading of material. Use spray to keep containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION 6 - Accidental release measures:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear recommended personal protective equipment. Do not let spilled material enter waterways. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Report major leaks and spills to the appropriate local, state and federal government agencies.

SECTION 7 - Handling and storage:

SPECIAL HANDLING AND STORAGE: Always wear recommended personal protective equipment. Avoid breathing fumes from heating operations. Avoid spillage which can cause very slippery conditions on floors. Use good personal hygiene and housekeeping.

STORAGE RECOMMENDATIONS:
Avoid excessive heat. Keep from freezing.

SECTION 8 - Exposure controls/personal protection:

ENGINEERING CONTROLS: Use adequate ventilation during heating processes or if dusty conditions prevail when handling powdered materials. For storage and ordinary handling, general ventilation is adequate.

RESPIRATORY PROTECTION: Use a NIOSH approved vapor respirator.

VENTILATION: Face velocity greater than 60 cfm (adequate to capture wax dust or fumes).

SKIN PROTECTION: Use impervious gloves to avoid repeated/prolonged skin contact. Use other protective garments as necessary.

EYE PROTECTION: Chemical goggles around these liquids and in dusty conditions.

OTHER PROTECTIVE EQUIPMENT OR CLOTHING: As needed to prevent repeated/prolonged contact.

WORK / HYGIENIC PRACTICES: Wash skin thoroughly with soap and warm water after handling and before smoking, eating or applying makeup. If clothes become contaminated, change to clean clothing. Do not wear contaminated clothing until properly laundered.

EXPOSURE GUIDELINES: If allowed to dry, powdered forms may generate nuisance particulates upon handling. ACGIH TLV = 10mg/m3. OSHA PEL 5mg/m3.

SECTION 9 - Physical and chemical properties:

Appearance	: White liquid
Odor	: Mild amine
Odor threshold	: Not applicable
Melting point	: See MP-28AL SDS
Boiling point	: 100 °C
Flash point	: Not Applicable COC
Evaporation rate	: Similar to water
Flammability	: Not applicable
Upper/lower flammability limits	: Not applicable
Vapor pressure	: Not applicable
Vapor density	: Heavier than air
Relative density	: 0.98 g/cc
Solubility	: Miscible with water
Partition coefficient	: Unknown
Auto-ignition temperature	: Unknown
Decomposition temperature	: Unknown
Explosive properties	: Not applicable
Oxidizing properties	: Not applicable
Volatiles (weight percent)	: 50

SECTION 10 - Stability and reactivity:

STABILITY: Stable at normal conditions.

CONDITIONS TO AVOID: Freezing.

INCOMPATABILITY (AVOID CONTACT WITH): Strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Should not occur.

HAZARDOUS DECOMPOSITION PRODUCTS AND/OR BY PRODUCTS:
These products may emit oxides of carbon.

SECTION 11 - Toxicological information:

Acute toxicity	: No data developed.
Skin corrosion/irritation	: No data developed. None expected.
Serious eye damage/irritation	: No data developed.
Respiratory or skin sensitization	: No data developed.
Germ cell mutagenicity	: No data developed.
Carcinogenicity	: N.T.P. CARCINOGEN: No
	: I.A.R.C. CARCINOGEN: No
Reproductive toxicity	: No.
STOST-single exposure	: No data developed.
STOST-repeated exposure	: No data developed.
Aspiration hazard	: No data developed. Aspiration is possible.

MEDICAL CONDITIONS GENERALLY AGGREVATED BY EXPOSURE: May irritate people with skin problems, asthma and lung diseases. Susceptible individuals may have an allergic reaction.

SECTION 12 - Ecological information:

ECOLOGICAL PROFILE: The solids component of this dispersion is biodegradable. These aqueous liquids are miscible in water. Potential environmental impact in case of spill or release is considered to be minimal. Do not let product enter watercourse.

SECTION 13 - Disposal considerations:

WASTE DISPOSAL METHOD: Assume conformity with applicable disposal regulations. Preferred method of disposal is in closed containers of sufficient strength to eliminate leakage at approved incineration or chemical landfill waste disposal site in accordance with local regulations. Sewage disposal is discouraged.

RCRA: Is the unused product a RCRA hazardous waste if discarded? No.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

SECTION 14 - Transport information:

UN Number	: Not classified as hazardous.
UN Proper shipping name	: N/A
Transport hazard class	: Not classified as hazardous.
Packing group	: N/A
IATA	: Not classified as hazardous
Environmental hazards	: Not considered marine pollutant.
	: Not considered environmentally hazardous.
Special precautions	: Keep sealed and secure. Do not expose to heat.
DOT Classification	: Non-Hazardous.
INCO Terms	: EXW for Regulatory Purposes and Responsibilities

SECTION 15 - Regulatory information:

Please request our Regulatory Summary Sheet (RSS) for global regulatory information.

REACH: All substances registered.

Regulation (EU) 2023/2055 – Synthetic Polymer Microparticles (SPM)

Generic description of the material: Not applicable - not an SPM
Weight percent: Not applicable

(EU) 2023/2055 is derogated for most industrial coatings under the following conditions:

- Microplastics, as substances on their own or in mixtures, for use at industrial sites
- Substances or mixtures containing microplastic where the microplastic is contained by technical means to prevent releases to the environment during end use

- Substances or mixtures containing microplastic where the physical properties of the microplastic are permanently modified during end use such that the polymers no longer fulfil the meaning of a microplastic
- Substances or mixtures containing microplastics where microplastics are permanently incorporated into a solid matrix during end use.

Toxic Substances Control Act (TSCA): This product or its components are listed on the TSCA Inventory. This product and/or its components do not contain any chemicals subject to any rules or orders under TSCA sections 4, 5, 6, 7, or 8(d).

California Proposition 65: Not regulated.

SARA Section 311/312:

- Acute Health Hazard: No
- Chronic Health Hazard: No
- Fire Hazard: No
- Reactivity Hazard: No
- Sudden Release of Pressure Hazard: No

SARA Section 302: Contains an extremely hazardous substance: No
SARA Section 313: This product does not contain any toxic chemical listed under Sec.313 of the Emergency Planning and Community Right-To-Know Act of 1986.

US. EPA CERCLA Hazardous Substances (40 CFR 302) - not regulated.

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5) - not regulated.

CLEAN WATER ACT - Priority Pollutants: Contains no known priority pollutants at concentrations greater than 0.1%.

SECTION 16 - Other information:

This SDS conforms to OSHA HCS/HazCom 2012 (29 CFR Parts 1910, 1915, 1926)

This SDS conforms to Regulation (EC) No. 1907/2006 as amended by Regulation (EU) 2020/878

Micro Powders Quality Assurance Program certified to ISO 9001

The following document is available on request from Micro Powders:

Generation and Control of Static Electricity in Coatings Operations (American Coatings Association; Nov 2022)

This SDS supersedes all previously published documents dated prior to 1/28/2026.

SDS: E1 **MCS-28AL-50**: E1

THE DATA SET FORTH IN THIS SDS ARE TYPICAL VALUES (NOT SPECIFICATIONS) BASED ON INFORMATION PROVIDED BY THE SUPPLIERS OF THE RAW MATERIALS AND CHEMICALS USED IN THE MANUFACTURE OF THE AFOREMENTIONED PRODUCT. MICRO POWDERS MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THE INFORMATION PROVIDED BY THEIR SUPPLIERS AND DISCLAIMS ALL LIABILITY OF RELIANCE THEREOF. MICRO POWDERS WARRANTS ONLY THAT ITS PRODUCTS CONFORM TO THEIR PUBLISHED SPECIFICATIONS AND NO OTHER EXPRESS WARRANTY IS MADE WITH REGARD THERETO. WE DO NOT GUARANTEE FAVORABLE RESULTS AND WE ASSUME NO LIABILITY IN CONNECTION WITH THE USE OF THESE PRODUCTS. THEY ARE ALL INTENDED FOR USE BY PERSONS HAVING TECHNICAL SKILL AND KNOWLEDGE, AT THEIR OWN DISCRETION AND RISK.