Material Safety Data Sheet
Metal Coating – Last updated 18/02/2023

ThinTech Coatings
ADVANCED COATING TECHNOLOGY

THINTECH COATINGS

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1. PRODUCT IDENTIFICATION

Product Name: Thintech Metal Coating

2. COMPOSITION

Ingredient	**Concentration**	**C.A.S. Number**	**ACGIH TLV**
Trade Secret A-1	10-12	Proprietary	1000 ppm
Trade Secret A-2	6-8	Proprietary	--
Ethyl Alcohol	6-8	64-17-5	1000 ppm
Butyl Acetate	54-56	540-88-5	200 ppm
Trade Secret B	16-18	Proprietary	--

3. CHEMICAL AND PHYSICAL PROPERTIES

Vapor pressure:	9 hPa @ 20 °C	**Vapor Density:**	Heavier than air
Solubility in Water:	Insoluble	**Specific Gravity:**	1.02
Boiling Point:	>90 °C	**Appearance:**	Linght Yellow
Odor:	Mild fruity	**V.O.C.**	>100 g/liter

4. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: 16.7°C (62.1°F)
Recommended Extinguishing Agents: water spray, foam, dry chemical or CO_2
Hazardous Products Formed by Fire or Thermal Decomposition: Hazardous fumes (ethanol, phenolics, oxides of carbon and nitrogen).
Unusual Fire or Explosion Hazards: Flammable
Compressed Gasses: None
Pressure at Room Temp: N.A.

5. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: May occur
Hazardous Decomposition Products: Ethanol
Incompatibility: Oxidizers, alkalis, acids, aliphatic amines, nitrates, water.

6. SPILL OR LEAK PROCEDURES

Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with regulations.

7. STORAGE AND HANDLING PROCEDURES

Storage: Avoid storage over 100°F, contamination with incompatible materials. Keep containers tightly closed in a cool, well ventilated place. Protect from moisture. Residual vapors might explode on ignition. Do not apply heat, cut, drill, grind or weld on or near this container.
Handling: Provide good ventilation or extraction. Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks, flames and other sources of ignition. Wash thoroughly after handling.

8. SHIPPING REGULATIONS

DOT and IATA Hazard Classification: Class 3 Flammable Liquid
Proper DOT Shipping Name: Coatings Solution Packing Group: 2
Identification Number: DOT UN 1139, IATA UN 1139

9. EMERGENCY TREATMENT PROCEDURES

Eye Irritation: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact: In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothing and shoes. Do not use organic solvents for cleanup as they may dry or irritate the skin and act as a carrier for chemical absorption.
Inhalation: If aerosol or mists are formed, remove affected person to fresh air. Call a physician immediately if breathing difficulties occur: keep patient half sitting with upper body raised.
Ingestion: If accidentally swallowed, rinse mouth thoroughly with water and, afterwards, drink plenty of water. In case of discomfort, obtain medical attention. Notes to physician if substance has been swallowed: early endoscopy in order to assess mucosa lesions in the esophagus and stomach which may appear. If necessary, aspirate leftover substance.

10. PERSONAL PROTECTION

Respiratory: Positive fresh air exhaust should be provided in the work area. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use.
Skin: Avoid skin contact. Wear butyl-rubber gloves and impervious protective clothing.
Eyes: Do not wear contact lenses. Chemical safety goggles or splash shields are recommended.

11. HEALTH HAZARD DATA

Potential Routes of Entry: Skin, eyes, inhalation.
Symptoms of Overexposure: Possible skin and eye irritation and redness on contact. Inhalation of vapors in an unventilated area may, over time, induce headaches or dizziness.

12. EXPOSURE LIMITS

Ingredient	ACGIH (TLV)	OSHA (PEL)	OTHER
Trade Secret A-2	10 ppm	100 ppm	--
Ethyl Alcohol	1000 ppm	1000 ppm	--
Butyl Acetate	200 ppm	1000 ppm	--

Ingredient	Target Organs	Carcinogen	NTP	IARC
Trade Secret A-1	IRR, LIV, KID	NO	NO	NO
Trade Secret A-2	IRR, LIV, KID	NO	NO	NO
Ethyl Alcohol	HEART, IRR, LIV, KID	NO	NO	NO
Butyl Acetate	HEART, IRR, LIV, KID	NO	NO	NO
Trade Secret B	NONE	NO	NO	NO

Abbreviations:
N/A: Not applicable
IRR: Irritant
LIV: Liver
ALG: Allergen
KID: Kidney
REP: Reproductive

13. REGULATORY INFORMATION

Sara Listed Ingredients: Trade Secret A-1, Trade Secret A-2, Trade Secret B
TSCA Inventory: Ethyl Alcohol, Methyl Acetate.

STATE RIGHT-TO-KNOW
CALIFORNIA Proposition 65
This product does not contain materials which the State of California has found to cause cancer, birth defects, or other reproductive harm.

OTHER REGULATORY INFORMATION: NONE

ABBREVIATIONS:
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value

PEL: Permissible Exposure Limit
NTP: National Testing Program
IARC: International Agency for Research on Cancer
NFPA: National Fire Protection Association
HMIS: Hazardous Materials Identification System
-- : No Data / Not Available
N.A.: Not Applicable

14. DISPOSAL

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. Dispose of container and unused contents in accordance with federal, state and local requirements.

15. IMPORTANT LIABILITY DISCLAIMER

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct as it was obtained from sources we believe are reliable. However, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe workplace, to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.