

Safety Data Sheet
Plusco 002

SECTION I - IDENTIFICATION

PRODUCT NAME: Plusco 002 Gel Type Coating and Varnish Remover
PRODUCT CODE: PLU002
PRODUCT USE: Coating and Varnish Remover
COMPANY NAME: Plusco, Inc.
COMPANY ADDRESS: 14518 Henry Rd., Houston, TX 77060
COMPANY PHONE: 713-880-0316
EMERGENCY PHONE: 713-880-0316

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Acute Toxicity (Oral / Inhalation / Dermal): Category 3
Skin Irritant: Category 2
Eye Irritant: Category 2A
Carcinogenicity: Category 2
Specific Target Organ Toxicity (Repeated Exposure): Category 1

HAZARD STATEMENT(S): **Danger:** Toxic if swallowed, in contact with skin, and if inhaled. Causes skin and serious eye irritation. Suspected of causing cancer. Causes damage to eyes and Central nervous system through prolonged or repeated exposure.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Store in a well-ventilated place. Wear protective gloves and eye protection. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Do not breathe fumes, mist, vapors, or spray. Use only outdoors or in a well-ventilated area. If swallowed: Immediately call a poison center or doctor. Rinse mouth. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Take off immediately all contaminated clothing and wash it before reuse. Store locked up. Dispose of contents and container in accordance with local, state, and national regulations. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention.



SYMBOL:

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Methylene Chloride	75-09-2	60-100%
Methyl Alcohol	67-56-1	10-30%

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush with water for 15 minutes while holding eyelids open. Seek immediate medical attention.

INGESTION: Seek medical attention immediately, rinse mouth out with water, drink 2 glasses of water, and induce vomiting immediately as directed by medical personnel.

INHALATION: Move to fresh air. If not breathing administer artificial respiration. Seek immediate medical attention.

SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.

ACUTE HEALTH HAZARDS: Ingestion, inhalation, or skin exposure to the liquid will cause gastrointestinal distress, irritation, nausea, vomiting, serious illness, and possibly death.

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system.

NOTE TO PHYSICIAN: Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

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SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, foam, or Carbon Dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA: Water spray/stream.

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May develop a flammable atmosphere in confined areas, vapors are heavier than air and can travel to source of ignition.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, chlorine, hydrogen chloride and phosgene.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Remove sources of ignition such as pilot lights. Material is heavier than air and can settle in low lying areas in flammable concentrations, ventilate area. Product will undergo rapid evaporation. Use absorbent on spill sweep to clean. Small releases may be wiped up with wiping material. Dispose of residue in accordance with federal, state and local guidelines. Offer drums for recycling. Do not reuse empty container. Smaller containers should be rinsed and placed in trash collection.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

RCRA STATUS: Waste solvent likely considered U080 (Methylene Chloride), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, dry area, keep containers tightly closed and dry. Keep out of reach of children and do not store near food, drink, or animal food.

OTHER PRECAUTIONS: Use gloves, lab coat or apron, splash goggles, and use a vapor respirator approved/certified respirator or equivalent when ventilation is not adequate.

INCOMPATIBILITY: Strong oxidizers, strong caustics, plastics, rubber, nitric acid, water + heat, and chemically active metals, such as aluminum and magnesium powder, sodium, potassium, and lithium. Avoid contact with open flames and electrical arcs. Liquid methylene chloride will attack some forms of plastics, rubber, and coatings.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Methylene Chloride	25 ppm	50 ppm
Methyl Alcohol	200 ppm	200 ppm

ENGINEERING CONTROLS / VENTILATION: Use only outdoors or in a well-ventilated area.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves

ADDITIONAL MEASURES: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

EXPOSURE GUIDELINES: Methylene Chloride OSHA PEL – 25 ppm, ACGIH TLV – 50 ppm

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Viscous, hazy liquid.

ODOR: Chlorinated solvent odor

ODOR THRESHOLD: 21mg/m³ (Methylene Chloride)

BOILING POINT: >104F

FREEZING POINT: N/D

FLAMMABILITY: Not considered a flammable liquid by OSHA (29CFR 1910.1200)

FLASH POINT: N/D

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AUTOIGNITION TEMPERATURE: N/D
LOWER FLAMMABILITY LIMIT: N/D
UPPER FLAMMABILITY LIMIT: N/D
VAPOR PRESSURE (mm Hg): >100
VAPOR DENSITY (AIR=1): > 2
EVAPORATION RATE: >2
SPECIFIC GRAVITY (H₂O=1): 1.185
pH: N/A
SOLIDS (%): 2.5%
SOLUBILITY IN WATER: 17.00%
PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D
VOLATILITY INCLUDING WATER (%): 97.3%
VOLATILE ORGANIC COMPOUNDS (VOC): 16%
DIELECTRIC STRENGTH (Volts): N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: 200cps

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: Chemically active metals, acids, and bases
CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Temperatures greater than 122°F and sources of ignition.

INCOMPATIBILITY: Strong oxidizers, strong caustics, plastics, rubber, nitric acid, water + heat, and chemically active metals, such as aluminum and magnesium powder, sodium, potassium, and lithium. Avoid contact with open flames and electrical arcs. Liquid methylene chloride will attack some forms of plastics, rubber, and coatings.

HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon, chlorine, hydrogen chloride and phosgene.

POSSIBLE HAZARDOUS REACTIONS: None Known

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Methylene Chloride** (75-09-2) LD₅₀ (Oral, Rat) 1600 mg/kg; LC₅₀ (Inhalation, Rat) 52 gm/m³
Methyl Alcohol (67-56-1) LD₅₀ (Oral, Man) 5628 mg/kg; LD₅₀ (Dermal, Rabbit) 20,000 mg/kg

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: Causes severe irritation, redness, tearing, pain, may cause eye damage.

INGESTION: Nausea, vomiting, headaches, abdominal pain, diarrhea, dizziness, tremor, drowsiness, pulmonary edemas, absorption through the gastrointestinal tract may produce symptoms of CNS depression ranging from unconsciousness to death.

INHALATION: Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects, and death.

SKIN: Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact. May be absorbed through the skin.

MEDICAL CONDITION AGGRAVATED: Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or central nervous system.

ACUTE HEALTH HAZARDS: Ingestion, inhalation, or skin exposure to the liquid will cause gastrointestinal distress, irritation, nausea, vomiting, serious illness, and possibly death.

CHRONIC HEALTH HAZARDS: Possible cancer causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system.

CARCINOGENICITY: OSHA: Yes ACGIH: A3 - Animal Carcinogen NTP: 2 - Anticipated

IARC: 2B - Possible OTHER: CA Prop 65

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: **Methylene Chloride** (75-09-2) Fish: Bluegill/Sunfish: 230mg/L; 24H; StaticFish: Fathead Minnow: 196mg/L; 96H **Methyl Alcohol** (67-56-1) LC₅₀ (Fathead Minnow, 96hrs) 29400 mg/L The half-life of methanol in surface water ranges from 24 - 168 hrs.

BIODEGRADABILITY: Component or components of this product are not biodegradable.

BIOACCUMULATION: This product is not expected to bioaccumulate.

SOIL MOBILITY: This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS: This material is toxic to aquatic life.

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SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

RCRA STATUS: Waste solvent likely considered U080 (Methylene Chloride), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Paint Related Material (Dichloromethane)

HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN 3066

PACKAGING GROUP: III

AIR SHIPMENT

PROPER SHIPPING NAME: Forbidden by USDOT Regulations

HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN 3066

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Paint Related Material (Dichloromethane)

HAZARD CLASS/DIVISION: 6.1

UN/NA NUMBER: UN 3066

ENVIRONMENTAL HAZARDS WATER: Marine Pollutant

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): **Methanol** (67-56-1) Reportable Quantity = 5,000 lbs **Methylene Chloride** (75-09-2) Reportable Quantity = 1,000 lbs

SARA 311/312 HAZARD CATEGORIES: Methylene Chloride - 75-09-2; hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200), Methanol - 67-56-1

SARA 313 REPORTABLE INGREDIENTS: Methylene Chloride - 75-09-2

STATE REGULATIONS: California Prop 65: This product contains the following ingredients for which the state of California has found to cause cancer, birth defects or other reproductive harm.: METHYLENE CHLORIDE - 75-09-2 Pennsylvania Right to Know: METHYLENE CHLORIDE - 75-09-2; METHANOL – 67-56-1

Massachusetts Right to Know: METHYLENE CHLORIDE - 75-09-2

New Jersey Right to Know: METHANOL – 67-56-1

INTERNATIONAL REGULATIONS: WHMIS (Canada): Class D-1B material causing immediate and serious toxic effects(toxic).

Class D-2A: Material causing other toxic effects (very toxic). DSCL (EEC): R22 – Harmful if swallowed. R38-irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer.

NFPA HEALTH: 3

HMIS HEALTH: 3

NFPA FLAMMABILITY: 1

HMIS FLAMMABILITY: 1

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Plusco, Inc.

DATE PREPARED: 01/01/2016

REVISION DATE: N/A

N/A = Not Applicable; N/D = Not Determined

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