

Safety Data Sheet

Immaculate

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Immaculate
PRODUCT CODE: 9686, 9687
RECOMMENDED USE: Glass Cleaner
RESTRICTIONS ON USE: None known.
COMPANY NAME: Tifco Industries
COMPANY ADDRESS: P.O. Box 40277 Houston, TX 77240
COMPANY PHONE: 281-571-6000
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Liquid: Category 3

Skin Irritant: Category 2

Specific Target Organ Toxicity (Single Exposure): Category 3

HAZARD STATEMENT(S): DANGER: Flammable liquid and vapor. Causes skin irritation. May cause drowsiness or dizziness.

This product contains the following percentage of chemicals of unknown toxicity: N/A

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames and hot surfaces. -No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection. Wash hands thoroughly after handling. If on skin (or hair): Immediately take off all contaminated clothing. Rinse skin with water or shower. 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 advice or attention. Avoid breathing mist, vapors or spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with local, state and federal regulations.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENT | CAS NUMBER | PERCENT |
|---|------------|---------|
| Isopropyl alcohol | 67-63-0 | 30-40% |
| Alcohols, C6-12, ethoxylated propoxylated | 68937-66-6 | 1-5% |

SECTION IV - FIRST AID MEASURES

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 advice or attention.

INGESTION: Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

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

ACUTE HEALTH HAZARDS: Causes eye irritation including redness, tearing, and pain. Prolonged contact with skin may cause irritation. Inhalation of vapors may cause nausea, dizziness and drowsiness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: May cause eye, respiratory and central nervous system (CNS) effects.

NOTE TO PHYSICIAN: Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

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SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, and foam.

UNSUITABLE EXTINGUISHING MEDIA: Use water spray only to cool fire-exposed containers.

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. Shut off all sources of ignition. Use water spray to disperse vapor and cool fire exposed containers. Prevent run off from entering streams, sewers, or drinking water supply.

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLAMMABLE LIQUID AND VAPOR. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Vapors are heavier than air and can accumulate in low areas. Vapors may travel considerable distance to a source of ignition and flash back. Vapors may form explosive mixtures with air.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen.

SECTION VI – ACCIDENTAL RELEASE MEASURES

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

SPILL: Eliminate all sources of ignition. Remain upwind of the spilled material, isolate exposure. Avoid contact with spilled material. Wear appropriate personal protective equipment. Vapors are heavier than air and can settle in low lying areas in flammable concentrations. Use non-sparking tools and explosion-proof equipment. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains and natural waterways. Place waste in proper containers for disposal. Small releases may be wiped up with wiping material.

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not dump in sewers.

RCRA STATUS: Waste likely considered D001 (Ignitable waste), 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. Do not use or store near heat, open flames or other sources of ignition. Do not use or store with strong oxidizers. Keep container tightly closed when not in use. Use only non-sparking tools. Take precautionary measures against static discharge. Store in a well ventilated area. Keep cool. Wear protective gloves and eye protection. Do not inhale mist or vapor. Protect from sunlight. Vapors may collect in low-lying areas. Wash hands thoroughly after handling.

OTHER PRECAUTIONS: Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY: Strong alkalis, strong oxidizing agents.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

| HAZARDOUS INGREDIENT | OSHA PEL | ACGIH TLV |
|---|-----------------|-----------------|
| Isopropyl alcohol | 400 ppm | 200 ppm |
| Alcohols, C6-12, ethoxylated propoxylated | Not Established | Not Established |

ENGINEERING CONTROLS / VENTILATION: Use adequate ventilation. Mechanical required if necessary to maintain exposure below PEL.

RESPIRATORY PROTECTION: Use only in well-ventilated areas. If exposure levels are exceeded, then organic vapor cartridge respirator or SCBA will be needed.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles and chemical resistant gloves.

ADDITIONAL MEASURES: Avoid contact with skin, eyes or clothing. Avoid breathing vapors. Wash hands thoroughly after handling. No smoking or open flames.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, blue liquid.

ODOR: Alcohol.

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ODOR THRESHOLD: N/D

pH: N/A

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: N/D

FLASH POINT: N/D

EVAPORATION RATE: N/D

FLAMMABILITY (solid/gas): Flammable liquid.

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

EXPLOSIVE LIMIT LOWER (%): N/D

EXPLOSIVE LIMIT UPPER (%): N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR=1): N/D

RELATIVE DENSITY (H₂O=1): 0.93 - 0.95 @ 77 °F (25 °C).

SOLUBILITY(IES): 100% water.

PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D

AUTOIGNITION TEMPERATURE: N/D

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: None known.

CHEMICAL STABILITY: Stable.

POSSIBLE HAZARDOUS REACTIONS: None known.

CONDITIONS TO AVOID: Avoid heat, sparks and flames. Avoid incompatible materials.

INCOMPATIBLE MATERIALS: Strong alkalis, strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Isopropyl alcohol (67-63-0): LD₅₀ (Oral, Rat) 5045 mg/kg; LD₅₀ (Dermal, Rabbit) 12870 mg/kg; LC₅₀ (Inhalation, Rat, 4h) 78.6 mg/L. Alcohols, C6-12, ethoxylated propoxylated (68937-66-6): LD₅₀ (Oral, Rat) > 5050 mg/kg; LD₅₀ (Dermal, Rabbit) > 2000 mg/kg.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin

EYES: May cause irritation, redness, tearing.

INGESTION: May cause gastrointestinal irritation, nausea, diarrhea, vomiting.

INHALATION: May cause respiratory tract irritation, dizziness, headaches, drowsiness, unconsciousness.

SKIN: May cause irritation, dryness, localized defatting.

MEDICAL CONDITION AGGRAVATED: Pre-existing conditions of the central nervous system (CNS). Pre-existing disorders of the eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS: Causes eye irritation including redness, tearing, and pain. Prolonged contact with skin may cause irritation. Inhalation of vapors may cause nausea, dizziness and drowsiness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: May cause eye, respiratory and central nervous system (CNS) effects.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Isopropyl alcohol (67-63-0): LC₅₀ (*Pimephales promelas*, 96h) 9640 mg/L; EC₅₀ (*Daphnia magna*, 48h) 13299 mg/L; EC₅₀ (*Desmodesmus subspicatus*, 72h) > 1000 mg/L. Alcohols, C6-12, ethoxylated, propoxylated (68937-66-6): LC₅₀ (*Pimephales promelas*, 96h): 22.5 mg/L; EC₅₀ (*Daphnia magna*, 48h): 14.4 mg/L.

PERSISTENCE AND DEGRADABILITY: This product is biodegradable.

BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.

MOBILITY IN SOIL: This product is mobile in soil.

OTHER ADVERSE EFFECTS: None known.

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SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not dump in sewers.

RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: For inner packagings not over 5.0 L (1.3 gallons) net capacity each, Cleaning compounds, n.o.s., Ltd. Qty. For inner and other packagings over 5.0 L (1.3 gallons) net capacity each, Flammable liquids, n.o.s. (Isopropyl alcohol).

HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: III

AIR SHIPMENT

PROPER SHIPPING NAME: Flammable liquid, n.o.s. (Isopropyl alcohol).

HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: III

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: For inner packagings not over 5.0 L (1.3 gallons) net capacity each, Cleaning compounds, n.o.s., Ltd. Qty. For inner and other packagings over 5.0 L (1.3 gallons) net capacity each, Flammable liquid, n.o.s. (Isopropyl alcohol).

HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: III

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Sodium hydroxide (1310-73-2)
Reportable Quantity = 1,000 pounds.

SARA 311/312 HAZARD CATEGORIES: Flammable (gases, aerosols, liquids, solids). Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure).

SARA 313 REPORTABLE INGREDIENTS: This product does not contain any chemical components with known CAS numbers that exceed the threshold (*de minimis*) reporting levels established by SARA Title III, Section 313.

CLEAN WATER ACT: Sodium hydroxide (1310-73-2) is a hazardous substance.

STATE REGULATIONS: California Proposition 65: This product does not contain chemicals regulated by California Proposition 65.

Sodium hydroxide (1310-73-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, MA, PA, RI. **Nitrilotriacetic acid, trisodium salt (5064-31-3):** Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA.

INTERNATIONAL REGULATIONS: Listed or exempt from listing/notification on the following chemical inventories: Domestic Substances List (DSL, Canada).

VOLATILE ORGANIC COMPOUNDS (VOC): 30%

NFPA HEALTH: 2

HMIS HEALTH: 2

NFPA FLAMMABILITY: 2

HMIS FLAMMABILITY: 2

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: B

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Roberto Cerón

DATE PREPARED: 12/12/2012

REVISION DATE: 05/24/2023

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

DISCLAIMER: To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.