



RAINBOW TECHNOLOGY
Specialists in Utility Chemicals & Safety Items

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Woman-Owned Business Enterprise - Founded 1971

Safety Data Sheet (SDS)

SECTION I - IDENTIFICATION

Manufacturer/Distributor: Rainbow Technology Corporation (800) 637-6047
Contact Person: Larry Joe Steeley, Jr.
Emergency Phone (24 Hrs.): **Chem-Tel Inc (800) 255-3924**
Trade Name/Synonyms: **Rainbow Denatured Alcohol**
Product Number: 44029
Issue Date: October 28, 2014
Replaces SDS Dated: October 3, 2014

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Liquid: Category 2

Skin Irritant: Category 2

Eye Irritant: Category 2A

HAZARD STATEMENT(S): Danger: Highly flammable liquid and vapor Causes skin and serious eye irritation.

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

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Keep container tightly closed. Wear protective gloves and eye protection. If on skin (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water or shower. If skin irritation occurs: Get medical advice or attention. 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. In case of fire use dry chemical, foam, or carbon dioxide. Store in a well-ventilated place. Keep cool. Dispose of contents and container in accordance with local, state, and national regulations. Wash hands thoroughly after handling.

For large quantities: Ground or bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.



SYMBOL:

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Ethyl Alcohol	64-17-5	60%-100%
Isopropyl Alcohol	67-63-0	3-7%

SECTION IV - FIRST AID MEASURES

EYES: 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.

INGESTION: If swallowed: Rinse Mouth. Do NOT induce vomiting. Get medical advice or attention..

INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If heartbeat or breathing seems irregular seek immediate medical attention.

SKIN: If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

Skin: defatting and dermatitis

Oral: abdominal irritation, nausea, vomiting, and diarrhea

CHRONIC HEALTH HAZARDS: None known

NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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UNSUITABLE EXTINGUISHING MEDIA: N/A

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. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

HAZARDOUS COMBUSTION PRODUCTS: None Known

SECTION VI – ACCIDENTAL RELEASE MEASURES

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

SPILL: Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Keep away from sparks and open flames. No smoking. Keep container tightly closed.

OTHER PRECAUTIONS: None

INCOMPATIBILITY: Strong oxidizing agents.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Ethyl Alcohol	1000 ppm	1000 ppm
Isopropyl Alcohol	500 ppm	400 ppm

ENGINEERING CONTROLS / VENTILATION: General ventilation and local exhaust should be adequate.

RESPIRATORY PROTECTION: Not required

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves

ADDITIONAL MEASURES: Wash hands thoroughly after handling.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, Colorless Liquid

ODOR: Alcohol solvent

ODOR THRESHOLD: N/D

BOILING POINT: 80°C (176°F)

FREEZING POINT: N/D

FLAMMABILITY: Highly Flammable Liquid

FLASH POINT: 53°F (12°C)

AUTOIGNITION TEMPERATURE: N/D

LOWER FLAMMABILITY LIMIT: N/A

UPPER FLAMMABILITY LIMIT: N/A

VAPOR PRESSURE (mm Hg): Not Established

VAPOR DENSITY (AIR=1): 1

EVAPORATION RATE: < 0.8 (Slow)

SPECIFIC GRAVITY (H₂O=1): 0.905 @ 77° F (25° C)

pH: N/A

SOLIDS (%): N/D

SOLUBILITY IN WATER: 100%

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

VOLATILITY INCLUDING WATER (%): 99%

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

DIELECTRIC STRENGTH (Volts): N/A

DECOMPOSITION TEMPERATURE: N/D

VISCOSITY: N/D

Safety Data Sheet (SDS)

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY: None Known
CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Sources of ignition.
INCOMPATIBILITY: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION OR BY-PRODUCT: Oxides of carbon
POSSIBLE HAZARDOUS REACTIONS: Will not occur

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not Established
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation
EYES: May cause mild irritation.
INGESTION: Not a likely route of exposure under normal product handling conditions.
INHALATION: No hazards with normal use. May cause irritation of the respiratory tract.
SKIN: Product is meant to be applied to skin. If you suspect a reaction discontinue use, take off clothing, and rinse skin immediately with water for 15-20 minutes.
MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.
ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision
Skin: defatting and dermatitis
Oral: abdominal irritation, nausea, vomiting, and diarrhea
CHRONIC HEALTH HAZARDS: None known
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not Established
BIODEGRADABILITY: This product is biodegradable.
BIOACCUMULATION: This product is not expected to bioaccumulate.
SOIL MOBILITY: This product is mobile in soil.
OTHER ECOLOGICAL HAZARDS: None Known

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.
RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Alcohols, n.o.s.
HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN 1987
PACKAGING GROUP: II

AIR SHIPMENT

PROPER SHIPPING NAME: Alcohols, n.o.s.
HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN 1987
PACKAGING GROUP: II

SHIPPING BY WATER:

VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Alcohols, n.o.s.
HAZARD CLASS/DIVISION: 3

Safety Data Sheet (SDS)

UN/NA NUMBER: UN 1987
PACKAGING GROUP: II
ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None
SARA 311/312 HAZARD CATEGORIES: Fire Hazard
SARA 313 REPORTABLE INGREDIENTS: None
CLEAN WATER ACT: None
STATE REGULATIONS: California Proposition 65: None
INTERNATIONAL REGULATIONS: All components are listed or exempted.

NFPA HEALTH:	1	HMIS HEALTH:	1
NFPA FLAMMABILITY:	3	HMIS FLAMMABILITY:	3
NFPA REACTIVITY:	0	HMIS REACTIVITY:	0
NFPA OTHER:	N/A	HMIS PROTECTION:	B

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis
DATE PREPARED: 12/02/2013
REVISION DATE: 10/28/2014

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.