



425 S. 9<sup>th</sup> Street  
City of Industry, CA. 91746  
(626) 363-6200

## KENRA, LTD.

### VOLUME SUPER HOLD HAIR SPRAY (55%VOC)

#### Section I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MSDS FIRST PREPARATION DATE:** May 4, 2009  
**REVISION DATE:** 04-15-2011  
**SUPERSEDES:**  
**FORMULA:** TKL4A01 L31902  
**PREPARED:** Stephanie Demyan  
**REVISED BY:** Chi Le  
**GENERIC/CHEMICAL NAME:** Hair Spray  
**PRODUCT TYPE/CHEMICAL FAMILY:** NA  
**PRODUCT CODE:** KENLA2A  
**SYNONYMS:** None

**CONTACT ADDRESS:** KIK Custom Products Los Angeles, 425 S. 9<sup>th</sup> Street, City of Industry, CA. 91746

#### EMERGENCY PHONE NUMBERS:

KIK Aerosol Social LLC: (626) 363-6200 Monday - Friday, 8:00 am – 5:00 pm PST  
Chem-tel: (800) 255-3924 – **24-Hours**

#### Section II - HAZARDS IDENTIFICATION

##### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Direct contact of product with eyes may cause irritation, and may result in irreversible damage.

**SKIN CONTACT:** Not Known

**INHALATION:** Not Known

**INGESTION:** If ingested, may cause nausea and vomiting. If in aerosol form, ingestion is not likely.

#### Section III - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No	Percent	Hazardous
1,1-Difluoro-Ethane	75-37-6	40.0%	Yes
Ethanol	64-17-5	54.1%	Yes

#### Section IV - FIRST AID

**EYE CONTACT:** If irritation or redness due to vapors develops, move victim away from exposure and into fresh air. If material gets into the eyes, flush eyes immediately with clean water for at least 15 minutes. If available, use eye-cups or eye wash fountain. If symptoms persist, get medical attention.

**SKIN CONTACT:** Clean affected areas with mild soap and water. Remove contaminated clothing, including shoes, and launder before reuse or discard.

**INHALATION:** If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, get medical attention. If victim is not breathing immediately begin artificial respiration. Get medical attention.

**INGESTION:** Product is not likely to be ingested. If this occurs, treat systematically. Never give fluids or induce vomiting if the victim is unconscious or having convulsions

## **Section V - FIRE FIGHTING MEASURES**

**FLASH POINT:** -30°F TCC (Propellant Only); Concentrate 36°F (EPA Method 1010)

**AUTOIGNITION TEMPERATURE:** NA

**FLAMMABILITY LIMITS IN AIR (% V):** LEL=1.8%; UEL=9.5%

**EXTINGUISHING MEDIA:** Carbon Dioxide, Foam, Dry Chemical, Water

**SPECIAL FIRE FIGHTING PROCEDURES:** Keep containers cool by spraying them with water until the fire has been extinguished.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Containers may rupture and release flammable liquids and /or gasses if exposed to the heat of fire.

## **Section VI - ACCIDENTIAL RELEASE MEASURES**

**SPILL ON LAND (LARGE SPILL):** Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without risk. Minimize breathing of vapors. Minimize skin contact. Ventilate confined spaces. For small spills implement the following cleanup procedures: Prevent material from entering sewers, watercourses, or low areas. Contain spilled material with sand or earth. Do not use combustible materials such as sawdust. Observe precautions for volatile, combustible vapors from absorbed material. For large spills implement the preceding cleanup procedures and, if in public area, keep public away and advise authorities. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

**SPILL ON WATER (LARGE SPILL):** Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Remove from surface by skimming or scooping up floating material. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

**SMALL SPILLS:** Leaking containers should be placed in open containers, outdoors, away from any source of ignition, until all pressure has been released.

## **Section VII - STORAGE AND HANDLING**

**STORAGE TEMPERATURE:** Ambient

**STORAGE/TRANSPORT PRESSURE:** 180 psig @ 131°F Max

**LOADING/UNLOADING TEMPERATURE:** Ambient

**STORAGE AND HANDLING:** Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials. DO NOT handle or store near an open flame, heat, or other source of ignition. DO NOT pressurize, cut, heat, or weld empty containers. DO NOT reuse containers.

## **Section VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** None Required

**VENTILATION:** Normal Ventilation adequate for recommended uses.  
**PROTECTIVE CLOTHING:** Not necessary except as a good industrial practice.  
**EYE PROTECTION:** Not necessary except as a good industrial practice.  
**OTHER PRECAUTIONS:** Avoid excessive inhalation. Read and follow all label directions and cautions. Use only as directed

## **Section IX - PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Clear, Light Straw Liquid  
**STATE:** Aerosol  
**ODOR:** Characteristic  
**PERCENT VOLATILE:** 55%  
**SPECIFIC GRAVITY:** 0.806 - 0.820 @ 25°C  
**VISCOSITY:** Aerosol @ ambient  
**EVAPORATION RATE,** >1  
**VAPOR PRESSURE mm Hg @ 20°C:** Can pressure not to exceed 180 psig @ 131°F  
**BOILING POINT:** Not Applicable  
**VAPOR DENSITY (Air=1):** >1  
**SOLUBILITY IN WATER:** Soluble

## **Section X - REACTIVITY**

**STABILITY:** Stable under normal conditions of storage and handling  
**CONDITIONS TO AVOID INSTABILITY:** Do not store containers in direct sunlight or where conditions will heat them above 120°F.  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION:** Not Applicable  
**MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:** None Known

## **Section XI - TOXICOLOGICAL INFORMATION**

No specific toxicological data is available for this product. Please refer to Section III for available information on potential health effects.

## **Section XII - ECOLOGICAL INFORMATION**

No specific ecological data are available for this product. Please refer to Section VI for information regarding accidental releases and Section XV for regulatory reporting information

## **Section XIII - DISPOSAL CONSIDERATIONS**

All recovered material should be packaged, labeled, transported, disposed and reclaimed in conformance with local, county, state, and federal regulations. May be disposed of by controlled incineration. Do not contaminate any lakes, streams, ponds, or underground water supplies.

Empty containers may be disposed of as normal refuse. Please recycle whenever possible.

## Section XIV - TRANSPORT INFORMATION

**U. S. DOT PROPER SHIPPING NAME:** Consumer Commodity  
**U. S. DOT HAZARD CLASS:** ORM-D  
**U. S. DOT LABELS REQUIRED:** None  
**U. S. DOT PLACARDS REQUIRED:** None  
**EMERGENCY RESPONSE GUIDE NUMBER:** NAERG# 171

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**IATA PROPER SHIPPING NAME:** Consumer Commodity ORM-D (Domestic)  
Aerosols, Flammable, N.O.S., UN1950 (Export)  
**IATA HAZARD CLASS:** 2.1  
**IATA LABELS REQUIRED:** Consumer Commodity ORM-D-AIR (Domestic)  
Flammable Gas (Export)  
**BILL OF LADING DESCRIPTION:** Consumer Commodity ORM-D-AIR, 9, ID8000  
(Domestic)  
Aerosols, Flammable, N.O.S., 2.1, UN1950 (Export)  
**UN/NA CODE:** NA (Domestic)  
UN1950 (Export)  
**PACKING INSTRUCTIONS:** 910 (Domestic)  
203/Y203 (Export)  
Authorization: Limited Quantity  
**EMERGENCY RESPONSE GUIDE NUMBER:** 126  
**EMERGENCY RESPONSE NUMBERS:** CHEM-TEL: 1-813-979-0626  
US & Canada Only: 1-800-255-3924  
International: 00-1-813979-0626

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**IMDG PROPER SHIPPING NAME:** Aerosols  
**IMDG HAZARD CLASS:** 2.1  
**IMDG LABELS REQUIRED:** **CARTON MUST BE MARKED "AEROSOLS"**  
**IMDG PLACARDS REQUIRED:** None  
**BILL OF LADING DESCRIPTION:** Aerosol, 2, UN1950  
**MARINE POLLUTANT:** No  
**EMERGENCY RESPONSE GUIDE NUMBER:** 126  
**EMS NUMBER:** 2-13  
**MFAG NUMBER:** 620  
**EMERGENCY RESPONSE NUMBERS:** CHEM-TEL: 1-813-979-0626  
US & Canada Only: 1-800-255-3924  
International: 00-1-813979-0626  
**IMDG PAGE NUMBER:** 2102  
**UN/NA CODE:** UN1950

## Section XV - REGULATORY INFORMATION

**TSCA:** Components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory  
**SARA TITLE III, Section 311-312:** Acute, Fire, Sudden Release (1,1-Difluoro-Ethane);  
Acute and Fire Hazard (1,1-Difluoro-Ethane, Ethanol)  
**SARA TITLE III, Section 313:** None noted  
**CALIFORNIA PROPOSITION 65:** Not Regulated

## Section XVI - OTHER INFORMATION

**HAZARD RATING SYSTEMS:** This information is for people trained in: National Paint & Coatings

Association's (NPCA) Hazardous Materials Identification System (HMIS) and/or National Fire Protection Association (NFPA 704) Identification of the Fire Hazards of Materials.

**NPCA-HMIS NFPA 704 KEY:NPCA-HMIS/NFPA 704**

HEALTH	1	NA	4=Severe/Extreme
FLAMMABILITY	3	NA	3=Serious/High
REACTIVITY	0	NA	2=Moderate/Moderate 1=Slight/Slight 0=Minimal/Insignificant

NOTE: The information presented herein for this product or its components has been compiled from different supplier sources considered to be dependable and is accurate to the best of our knowledge as to the proper use and handling of this product under normal conditions. However, no representation, warranty, or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Any use of this product which is not in conformance with this MSDS or which involves using the product in combination with any other product or any process is the responsibility of the user.

**EXPLANATION OF ABBREVIATIONS:**

ACGIH - American Conference of Governmental Industrial Hygienists

CAS# - Chemical Abstract System No.

DOT -Department Of Transportation

IMDG - International Maritime Dangerous Goods code

NA - Not Applicable

ND - Not Determined

NFPA - National Fire Protection Association

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limits

ppm - Parts Per Million

PMCC - Pensky-Martin Closed Cup (flash point)

SARA - Superfund Amendments and Reauthorization Act Title I, II, III

TLV - Threshold Limit Value

This MSDS has been formatted to be consistent with ANSI Standard Z400.1-1993