

JUL 23 1993

MATERIAL SAFETY DATA SHEET

KIWI BRANDS INC.

447 Old Swede Road, Douglassville, PA 19518-1239

EMERGENCY TELEPHONE NUMBER (215)385-3041

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: NU-LIFE COLOR SPRAY

CHEMICAL FORMULA/FAMILY: Aerosol color spray.

SECTION II - HAZARDOUS INGREDIENTS

<u>INGREDIENT SUMMARY</u>	<u>CAS NUMBER</u>	<u>COMPOSITION</u>	<u>OSHA LIMITS</u>	
Acetone	67-64-1	34-38%	750 PPM 1000 PPM	TWA STEL
Xylene	1330-20-7	13-20%	100 PPM 150 PPM	TWA STEL
Toluene	108-88-3	3-6%	100 PPM 150 PPM	TWA STEL
Ethyl Benzene	100-41-4	1-5%	100 PPM 125 PPM	TWA STEL
Diacetone Alcohol	123-42-2	2-5%	50 PPM	TWA
Butyl Benzyl Phthalate	85-68-7	1-3%	N.E.	
Propane	74-98-6	10-15%	1000 PPM	TWA
n-Butane	106-97-8	10-15%	800 PPM	TWA

N.E.= Not Established

SECTION III - PHYSICAL DATA

BOILING POINT: Not determined. **SPECIFIC GRAVITY:** Not determined.
VAPOR PRESSURE: Not determined. **VAPOR DENSITY (AIR=1):** > 1
% VOLATILE: 78-90%. **EVAPORATION RATE:** Not determined.
WATER SOLUBILITY: Partial. **ODOR:** Solvent odor.
APPEARANCE: Characteristic color.

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Point:

Propellant: -104C (-156F) **Concentrate:** less than -9C (less than -2F).

Product determined to be extremely flammable as defined by the Federal Hazardous Substances Act 16 CFR 1500.45.

Flammable Limits in Air (% by volume):

LEL: Not determined. **UEL:** Not determined.

Extinguishing Media:

Alcohol foam, dry chemical, or carbon dioxide.

Hazardous Decomposition Products:

Combustion will yield carbon dioxide and/or carbon monoxide.

Special Fire Fighting Procedures:

Use self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards:

Water spray should not be used except to keep down vapors or cool containers. Aerosol cans may explode from build-up of internal pressure when exposed to extreme heat.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

Ingestion: May be harmful or fatal if swallowed. May cause nausea, vomiting, diarrhea, nervous system depression or narcosis. This product may be aspirated into the lungs during swallowing or vomiting and cause lung damage or possibly death.

Eye Contact: Aerosol mist will irritate eyes; always direct spray away from face. Solvent vapors will irritate eyes; always use in well ventilated area. Direct eye contact with product may cause stinging, tearing, redness or swelling.

Inhalation: Intentional misuse by deliberately concentrating and inhaling vapors can be harmful or fatal. High vapor concentrations are irritating to the respiratory tract. Over exposure symptoms may include headaches, dizziness, anesthetic, and other central nervous system effects. Very high concentrations may cause unconsciousness, coma, or death.

Skin Contact: This product may cause skin irritation. Signs of exposure include redness, burning, drying, and cracking of skin.

CHRONIC: Repeated or prolonged exposure may cause irritation, drying and defatting of skin, and contact dermatitis. Reports have associated chronic exposure to solvents with permanent brain and nervous system damage. This product contains butyl benzyl phthalate and toluene, both of which have been shown to cause harm in the fetus of laboratory animals. Other chronic effects of the components present in this product on laboratory animals include kidney, eye, liver, lung and spleen damage. The relevance of these findings to humans is uncertain. Chronic overexposure to components in this product have been suggested to cause liver damage and cardiac abnormalities in humans.

EMERGENCY FIRST AID PROCEDURES:**Inhalation:**

Remove person to fresh air; contact a physician and/or transport to medical facility. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen may be given by qualified personnel.

Eye or Skin Contact:

Eye: Flush eyes with water for 15 minutes. If irritation develops, seek medical attention.

Skin: Wash exposed skin with soap and water. If irritation develops, seek medical attention.

Ingestion:

Do not induce vomiting. Contact a physician immediately. If victim is unconscious or drowsy, place them on their left side with head down.

SECTION VI - REACTIVITY DATA

Hazardous Polymerization: Will not occur under normal conditions.

Stability: Stable.

Incompatibility: Strong oxidizers.

SECTION VII - SPILL OR LEAK PROCEDURE

Steps to be Taken in Case Material is Released or Spilled:

Wear proper personal protective equipment as specified in Section VIII. Remove all possible ignition sources. Provide adequate ventilation. Keep out of water supply. Mop up, soak up with absorbent. Place spill cleanup material in a suitable container.

Waste Disposal Method:

Dispose of product in accordance with federal, state, and local regulations.

RCRA Hazardous Waste ID Number: D001

SECTION VIII - PROTECTIVE EQUIPMENT TO USE

Respiratory Protection:

Use NIOSH approved cartridge respirator or supplied air if product is present in a confined area or if exposure limits are exceeded.

Ventilation:

Local exhaust required if using large amounts of product in a confined area.

Protective Gloves:

Chemical resistant gloves if sensitivity exists or if repeated or prolonged contact occurs.

Eye Protection:

Safety glasses recommended when using any aerosol.

Other Protective Equipment:

None.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storage:

This product is classified as a Level II aerosol in accordance with the National Fire Protection Association Manufacturing and Storage of Aerosol Products Code 30B-90.

Other Precautions:

DANGER: Extremely Flammable. Do not use near heat, sparks, or open flame. Vapors will accumulate easily and may ignite explosively. Turn off all sources of flame and sparks before use. Do not smoke. Keep area well ventilated until all vapors (odors) are gone. **HARMFUL OR FATAL IF SWALLOWED.** If swallowed contact a physician immediately. May cause eye and skin irritation. Avoid prolonged contact with the skin. Wash hands after using. If accidentally sprayed in eyes, flush repeatedly with water. Call a doctor immediately. **VAPOR HARMFUL.** To avoid breathing vapors or spray mist, open windows and doors or use other means to insure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, wear respiratory protection or leave the area. **CONTENTS UNDER PRESSURE.** Do not puncture, incinerate, crush or store above 120 F. Heat from sunlight, radiators, stoves, hot water, or other sources may cause container to burst. Discard empty can in trash pick up. Do not burn or place in garbage compactor.

NOTICE: Irritation may result from inhalation, prolonged skin contact, or direct contact with eyes. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. **WARNING:** Using this product will expose you to toluene, a chemical known to the State of California to cause birth defects or other reproductive harm. Keep out of reach of children.

SECTION X - STATE RIGHT TO KNOW INFORMATION

PENNSYLVANIA: This product contains the following Pennsylvania Right-to Know Hazardous Substances:

<u>Chemical</u>	<u>CAS Number</u>
Acetone	67-64-1
Xylene	1330-20-7
Toluene	108-88-3
Ethyl Benzene	100-41-4
Diacetone Alcohol	123-42-2
Butyl Benzyl Phthalate	85-68-7
Propane	74-98-6
n-Butane	106-97-8

Identity of non-hazardous substances is considered to be a trade secret.

SECTION XI - SARA TITLE III INFORMATION

SECTION 302: This product contains the following ingredient(s) regulated under SARA Title III Section 302 Extremely Hazardous Substances List: None

SECTION 313: This product contains the following ingredient(s) regulated under SARA Title III Section 313:

<u>Chemical</u>	<u>CAS Number</u>
Acetone	67-64-1
Xylene	1330-20-7
Toluene	108-88-3
Ethyl Benzene	100-41-4
Butyl Benzyl Phthalate	85-68-7

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND EXPRESSED OR IMPLIED IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.

Prepared By: _____

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Date: 01/12/92