



MATERIAL SAFETY DATA SHEET

RED MEK MAKE UP

300-1011-001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME RED MEK MAKE UP

PRODUCT CODE 300-1011-001 (16oz.)

PRODUCT USE Ink Jet Printers

SUPPLIER Citronix, 3030 Southeast Loop 820, Fort Worth, Texas 76140
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2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
BUTANONE	78-93-3	90-100 %
ETHYL ACETATE	141-78-6	5-10 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Highly flammable
Irritating to eyes
Repeated exposure may cause skin dryness or cracking.
Vapors may cause drowsiness and dizziness.

4. FIRST AID MEASURES

GENERAL	NOTE! Keep affected person away from heat, sparks and flames! Keep the affected person warm and at rest. Get prompt medical attention.
INHALATION	Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get immediate medical attention! If breathing stops, provide artificial respiration.
EYES	Important! Immediately rinse with water while lifting the eyelids for at least 15 minutes. Immediately transport to hospital or eye specialist.
SKIN	Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water. Get medical attention if irritation persists after washing. Remove affected person from source of contamination.
INGESTION	Promptly let affected drink lots of water to dilute the swallowed chemical. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

5. FIRE FIGHTING MEASURES

FLASH POINT (°C)	-7 deg F CC (Closed cup).
FLAMMABILITY LIMIT - LOWER(%)	0.8 % @ 77 deg F
EXTINGUISHING MEDIA	Alcohol resistant foam, carbon dioxide (CO ₂), or dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES	Keep run-off water out of sewers and water sources. Dike for water control. If water pollution occurs, notify appropriate authorities. Use water SPRAY only to cool containers! Do not put water on leaked material. Move container from fire area if it can be done without risk. As in any fire, wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH approved or equivalent) and full protective gear.
UNUSUAL FIRE & EXPLOSION HAZARDS	May explode when heated or when exposed to flames or sparks. Solvent vapors may form explosive mixtures with air. Vapors are heavier than air and may spread near ground to sources of ignition. Vapors may travel considerable distance to source of ignition and flash back. As in any fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen and possibly toxic hydrocarbons may be formed.

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP PROCEDURES

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Cleanup personnel must be trained for the particular task. Cleanup personnel should use respiratory and/or liquid contact protection. Prevent release to drainage.

For small spills < 1 quart: Absorb liquid with absorbent material such as paper towel or other dry material. Transfer to safe place such as hood extraction to allow vapor to evaporate and absorbent to dry. Dispose of as flammable waste.

For large spills: Confine spillage and absorb with dry, noncombustible absorbent materials and sweep into a sealed container for proper disposal. Notify appropriate authorities. Waste resulting from clean up operations may be classified as hazardous. Consult with appropriate authorities to ensure safe and proper disposal of all waste in accordance with applicable federal, state and local regulation.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Solvent vapors are released during application and drying. Use safety glasses and recommended gloves when handling hazardous chemicals. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

HANDLING DESCRIPTION

Vapors are heavier than air and may spread along floors to form explosive mixtures with air. High vapor levels may occur during printer cleaning operation. Dried ink may be combustible, do not allow dried ink to accumulated on or around the printer. Containers of this product may be considered hazardous when empty. Consult your company safety office or local authority for regulatory guidance on the proper storage, use and disposal of this material.

STORAGE PRECAUTIONS

Avoid sources of ignition and a build up of static electricity. Keep in cool, dry, ventilated storage and closed containers. Storage and handling of this chemical is controlled by official regulations. Flammable/combustible - Keep away from oxidizers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks.

STORAGE CRITERIA

Flammable liquid storage.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

COMPONENT	STD	LT-ppm	LT-mg/m3	ST-ppm	ST-mg/m3
BUTANONE	WEL	200 ppm(Sk)	600 mg/m3(Sk)	300 ppm(Sk)	899 mg/m3(Sk)
ETHYL ACETATE	WEL	200 ppm		400 ppm	

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS	Provide eyewash station.
VENTILATION	Well ventilated area.
RESPIRATORS	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).
PROTECTIVE GLOVES	Use protective gloves made of: Polyvinyl alcohol (PVA). Nitrile. P.T.F.E. (Teflon).
EYE PROTECTION	Wear splash-proof eye goggles to prevent any possibility of eye contact.
PROTECTIVE CLOTHING	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.
HYGIENIC WORK PRACTICES	DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes wet or contaminated. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE	Liquid
COLOR	Red lightly colored.
ODOR	Ketonic.
SOLUBILITY DESCRIPTION	Soluble in: Organic solvents (most). Slightly soluble in water.
BOILING POINT (°C, range)	~75-85 760 mm Hg
DENSITY/SPECIFIC GRAVITY (g/ml)	0.80 @ 20 degreesC
VAPOR DENSITY (air=1)	> 1
VOLATILE BY VOL. (%)	99
pH-VALUE, CONC. SOLUTION	7
VISCOSITY (interval)	approx 1 cps

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions.
CONDITIONS TO AVOID	Avoid contact with strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS	Fire creates: Toxic gases/vapors/fumes of: Carbon Monoxide (CO). Carbon Dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

HEALTH WARNINGS	
EYE CONTACT	Irritant of eyes and mucous membranes.
INGESTION	Narcotic effect.
INHALATION	CNS depressant. Prolonged inhalation of high concentrations may damage respiratory system.
SKIN CONTACT	Acts as a defatting agent on skin. May cause cracking of skin and eczema.
ROUTES OF ENTRY	Ingestion. Skin absorption. Inhalation.
MEDICAL SYMPTOMS	NERVOUS SYSTEM: Drowsiness, dizziness, disorientation, vertigo and mild intoxication (including fatigue, lassitude, irritability, headache and nausea).

12. ECOLOGICAL INFORMATION

ECOTOXICITY	Little danger to the environment.
DEGRADABILITY	Will degrade.
ACUTE FISH TOXICITY	May be harmful to aquatic organisms in large quantities.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Used or expired printing ink and printing ink related material may be classified as hazardous waste. Consult with appropriate authorities and contractors to ensure safe and proper disposal of all hazardous waste in accordance with federal, state and local regulations.
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14. TRANSPORT INFORMATION

CLASSIFICATION COMMENT	UN 1210
DOT PROPER SHIPPING NAME	Printing Ink Related material
DOT HAZARD CLASS	3
LABEL FOR TRANSPORT	



U.S. DOT HAZARD LABEL	Flammable Liquid
TDRG SHIPPING NAME	Printing Ink Related Material
SEA TRANSPORT NOTES	Class 3, Packing Group II
AIR TRANSPORT NOTES	Class 3, Packing Group II

15. REGULATORY INFORMATION

US STATE REGULATIONS

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHIMIS

16. OTHER INFORMATION

DATE

May 1, 2006

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of Citronix's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.