

Material Safety Data Sheet

Required under USDH Safety and Health Regulations
for Shipyard Employment, 29 CFR 19151

U.S. Department of Labor

Occupational Safety and Health Administration

000370

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PREPARED IN ACCORDANCE WITH 29CFR1910.1200

DATE: 02/24/86

BY:

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Section I

Manufacturer's Name

STARKEY CHEMICAL PROCESS COMPANY

(312) 352-2565

Emergency Telephone Number

(800) 323-3040 TOLL FREE OUTSIDE ILLINOIS

Address (Number, Street, City, State, and ZIP Code)

9600 WEST OGDEN AVENUE

Chemical Name
and Synonyms

NOT APPLICABLE

Trade Name
and Synonyms

GESTETNER DUPLI-KLENE

Chemical
Family

Formula

HYDROCARBON, CHLORINATED SOLVENT

P. O. BOX 10A

LA GRANGE, IL 60525

Section II - Hazardous Ingredients

Paints, Preservatives, and Solvents

% TLV (Units) Alloys and Metallic Coatings

% TLV (Units)

Pigments			Base Metal		
Catalyst			Alloys		
Vehicle			Metallic Coatings		
Solvents	HYDROCARBON, CHLORINATED MIXTURE	100	Filler Metal Plus Coating or Core Flux		
Additives			Others		
Others					

Hazardous Mixtures of Other Liquids, Solids or Gases

% TLV (Units)

C.A.S. # 64742-89-8	V M & P NAPHTHA	<	56	100
C.A.S. # 71-55-6	1,1,1 TRICHLOROETHANE	>	44	350

Section III - Physical Data

Boiling Point (°F)	160°F	Specific Gravity (H ₂ O=1)	0.997
Vapor Pressure (mm Hg.)		Percent Volatile by Volume (%)	100
@ 20° C CALCULATED	56.7 mm Hg		
Vapor Density (AIR=1)	4.3	Evaporation Rate	3.33
		BUTYL ACETATE (1) CALCULATED	

Solubility in Water

SLIGHT

Appearance and Odor

CLEAR, ETHERICAL ODOR

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

TAG CLOSED CUP 60° F MINIMUM

Flammable Limits

Lel 0.9 est.

Uel 15.0 est.

Extinguishing Media

USE FOAM, CO2, OR DRY CHEMICAL FIRE FIGHTING APPARATUS.

Special Fire Fighting Procedures

USE OF SELF CONTAINED BREATHING APPARATUS RECOMMENDED FOR FIRE FIGHTERS. WATER MAY BE

UNSUITABLE AS EXTINGUISHING MEDIA BUT HELPFUL IN KEEPING ADJACENT CONTAINERS COOL. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

Unusual Fire and Explosion Hazards

KEEP WORK AREAS FREE OF HOT METAL SURFACES & OTHER SOURCES OF IGNITION.

Section V - Health Hazard Data

SEE SECTION II

Effects of Overexposure

INGESTION & INHALATION SEE FIRST AID PROCEDURES. SKIN: MAY CAUSE IRRITATION UPON PROLONGED USE. EYES: MAY BE IRRITATION. SYSTEMIC EFFECTS: CENTRAL NERVOUS SYSTEM DEPRESSION IN HIGH CONCENTRATIONS.

Emergency First Aid Procedures INGESTION: DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION. INHALATION: IF BREATHING DIFFICULTIES, DIZZINESS, LIGHTEADEDNESS, REMOVE TO AIR FREE OF VAPORS. IF BREATHING STOPS, BEGIN ARTIFICIAL RESPIRATION, SEEK MEDICAL ATTENTION. SKIN: WASH WITH SOAP & LARGE QUANTITIES OF WATER. EYE: FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES & SEEK IMMEDIATE MEDICAL ATTENTION.

Section VI - Reactivity Data

Stability	Unstable		Conditions to Avoid NONE
	Stable	X	

Incompatibility (Materials to Avoid)

INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS/BASES & SELECTED AMINES.

Hazardous Decomposition Products

CARBON MONOXIDE, CARBON DIOXIDE, HYDROGEN CHLORIDE, PHOSGENE.

Hazardous Polymerization	May Occur		Conditions to Avoid NONE
	Will Not Occur	X	

Section VII - Spill or Leak Procedures**Steps to be Taken in Case Materials Released or Spilled**

KEEP SOURCES OF IGNITION & HOT METAL SURFACES ISOLATED FROM THE SPILL. FLUSH INTO SUITABLE RETAINING AREA OR CONTAINERS WITH LARGE QUANTITIES OF WATER. SMALL AMOUNTS MAY BE ABSORBED INTO AN APPROPRIATE ABSORBANT.

Waste Disposal Method

DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY, STATE & FEDERAL REGULATIONS.

Section VIII - Special Protection Information**Respiratory Protection (Specify Type)**

A NIOSH APPROVED CARTRIDGE RESPIRATOR OR GAS MASK

Ventilation	Local Exhaust	Special
	RECOMMENDED	
	Mechanical (General)	Other
	RECOMMENDED	

Protective Gloves

IMPERMEABLE GLOVES

Eye Protection

SAFETY GLASSES, CHEMICAL GOGGLES OR SAFETY SHIELD

Other Protective Equipment

IMPERMEABLE APRONS RECOMMENDED. THE AVAILABILITY OF EYE WASHES & SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

Section IX - Special Precautions**Precautions to be Taken in Handling and Storing**

KEEP PRODUCT CONTAINERS COOL, DRY & AWAY FROM SOURCES OF IGNITION. USE & STORE WITH ADEQUATE VENTILATION.

Other Precautions PERSONNEL SHOULD AVOID INHALATION OF VAPORS. PERSONAL CONTACT SHOULD BE AVOIDED. ON CONTACT: REMOVE SATURATED CLOTHING/SHOES, FLUSH AFFECTED AREAS WITH WATER.