

PCH060

633

## Material Safety Data Sheet

U.S. Department of Labor

Occupational Safety and Health Administration



Required under OSHA Safety and Health Regulations  
 Federal Employment, 29 CFR 1910.120

OSHA No. 1218-JG-4  
 Expiration Date 05-31-96

PREPARED IN ACCORDANCE WITH 29CFR1910.1200  
 DATE: 02/24/86

BY:

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## Section I

Manufacturer's Name

(312) 352-2565

Emergency Telephone Number

STARKEY CHEMICAL PROCESS COMPANY

(800) 323-3040 TOLL FREE OUTSIDE ILLINOIS

Address (Number Street City State and ZIP Code)

Chemical Name  
and Synonyms

NOT APPLICABLE

9600 WEST OGDEN AVENUE

Trade Name  
and Synonyms

GESTETNER DUPLI-KLENE

P. O. BOX 10A

Chemical  
Family

Formula

HYDROCARBON, CHLORINATED SOLVENT

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

Inert

Hazardous Mixtures of Other Liquids, Solids or Gases

% TLV (Units)

C.A.S. # 64742-89-8

V M &amp; P NAPHTHA

&lt;

56

100

C.A.S. # 71-55-6

1,1,1 TRICHLOROETHANE

&gt;

44

350

## Section III - Physical Data

Boiling Point (°F)

160°F

Specific Gravity (H<sub>2</sub>O=1)

0.997

Vapor Pressure (mm Hg.)

@ 20°C

CALCULATED

56.7 mm Hg

Percent Volatile by Volume (%)

100

Vapor Density (AIR=1)

CALCULATED

4.3

Evaporation Rate

BUTYL ACETATE, 1)

CALCULATED

3.33

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, CO<sub>2</sub>, 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 &amp; 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 Material is 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
	Mechanical (General)		Other
	RECOMMENDED		
	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.