

Material Safety Data Sheet

Required under OSHA Safety and Health Regulations
for Standard Emergency Response Procedures

U.S. Department of Labor

Occupational Safety and Health Administration

000368

AS PACKAGED IN BANTAM OR KWIK KOPY BRANDS.

DMS No. 215-1074
Expiration Date 12/31/86

PREPARED IN ACCORDANCE WITH 19CFR1910

DATE: 04/28/86

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Section I

Manufacturer's Name SPIRIT FLUID PACKAGING DIVISION (312) 352-2565
STARKEY CHEMICAL PROCESS COMPANY (800) 323-3040 TOLL FREE OUTSIDE ILLINOIS
Address (Number, Street, City, State and ZIP Code) 9600 WEST OGDEN AVENUE
P. O. BOX 10A
LA GRANGE, IL 60525
Chemical Name and Synonyms METHYL ALCOHOL -
Trade Name and Synonyms DUPLICATOR FLUID -
Chemical Family ALCOHOL Formula CH₃OH

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	METHYL ALCOHOL	< 100	Filler Metal Plus Coating or Core Flux		
Additives			Others		
Others					

Hazardous Mixtures of Other Liquids, Solids or Gases

% TLV (Units)

C.A.S. #67-56-1 METHYL ALCOHOL (INHALATION) < 100 200 PPM

OTHER SUBSTANCES DO NOT CONFORM TO ANY DEPARTMENT OF TRANSPORTATION HAZARD MATERIAL
DEFINITION & IS NON-REGULATED MATERIAL BY DEFINITION OF 29 CFR 1910.1200.

Section III - Physical Data

Boiling Point (°F)	CALCULATED	151.6°F	Specific Gravity (H ₂ O=1) 20/20°C	.802
Vapor Pressure (mm Hg.) @ 20°C	CALCULATED	91	Percent Volatile by Volume (%)	100
Vapor Density (AIR=1)	CALCULATED	1.11	Evaporation Rate BUTYL ACETATE-1, @ 25°C	2.0

Solubility in Water

COMPLETE

Appearance and Odor

COLORLESS LIQUID -- ALCOHOL ODOR

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	TAG CLOSE CUP 53°F	Flammable Limits VOLUME % BY AIR	LeI 6.0	Uel 36.0
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Extinguishing Media

CARBON DIOXIDE, DRY CHEMICAL, OR ALCOHOL-TYPE FOAM

Special Fire Fighting Procedures

MIXTURE INTRODUCES THE POTENTIAL OF A CLASS B FLAMMABLE LIQUID FIRE HAZARD. CARBON DIOXIDE
OR DRY CHEMICAL EXTINGUISHERS WHICH PROVIDE A BLANKETING. WATER FOG CAN BE USED.Unusual Fire and Explosion Hazards FIRE HAZARD MIXTURE WILL EXIST IN ANY VAPOR SPACE OPEN TO AIR REACHES
ABOVE (53.6°F). EVAPORATION OF THE LIQUID AT ORDINARY ROOM TEMPERATURE CREATES A POTENTIALLY
EXPLOSIVE METHANOL AIR MIXTURE WHEN THE METHANOL CONTENT REACHES 6.0 (VOLUME) %.

Section V - Health Hazard Data

A--200 PPM (260 MG/M)

THERE IS NO DOCUMENTED EVIDENCE THAT METHYL ALCOHOL CAUSES AN INCREASED CANCER INCIDENCE IN HUMANS.

Effects of Overexposure

SLIGHT IRRITANT TO THE MUCCOUS MEMBRANES. TOXICITY WHICH INCLUDES WEAKNESS, FATIGUE, DIZZINESS, HEADACHES. SKIN MAY BECOME DRY & CRACKED DUE TO THE SOLVENT ACTION.

Emergency First Aid Procedures

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER WHILE REMOVING CLOTHING & SHOES. CALL A PHYSICIAN.

INGESTION: IMMEDIATELY GIVE 2 GLASSES OF WATER & INDUCE VOMITING/CALL A PHYSICIAN

Section VI - Reactivity Data

Stability

Unstable

Stable

Conditions to Avoid

X NONE

Incompatibility: Materials to Avoid

REACTS VIGOROUSLY WITH STRONG OXIDIZERS, CHROMIC ANHYDRIDES, LEAD PERCHLORATE, PERCHLORIC ACIDS

Hazardous Decomposition Products

OCCURS FROM HEAT & REACTION WITH MATERIALS ABOVE

Hazardous Polymerization

May Occur

Will Not Occur

Conditions to Avoid

X NONE

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled

ONLY PROPERLY PROTECTED PERSONNEL SHOULD REMAIN IN THE AREA. LEAKING CONTAINERS SHOULD BE REMOVED TO THE OUTDOORS OR TO AN ISOLATED WELL VENTILATED AREA. ALL SPILLS SHOULD BE FLUSHED WITH LARGE AMOUNTS OF WATER.

Waste Disposal Method

FACILITIES MUST BE PROVIDED TO CONTROL, COLLECT & HOLD ACCIDENTAL SPILLS TO APPROVED DISPOSALS & RECOVERY. AVOID METHANOL ENTERING STREAMS OR SEWERS.

Section VIII - Special Protection Information

Respiratory Protection: Specify Type

USE IN WELL VENTILATED AREA

Ventilation

Local Exhaust

VENTILATION RECOMMENDED

Special

Mechanical General

FANS, HOOD ENCLOSURES

Other

Protective Gloves

NOT REQUIRED IF NO SKIN CONTACT

Eye Protection

CHEMICAL SPLASH GOGGLES OR FACE SHIELD

Other Protective Equipment

SAFETY SHOWERS & EYE WASH STATIONS SHOULD BE READILY AVAILABLE

Section IX - Special Precautions

Precautions to be Taken in Handling and Storing

KEEP AWAY FROM HEAT OR IGNITION SOURCES. USE WITH ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED.

Other Precautions

CONTAINER HAZARDOUS WHEN EMPTY. CONTAINER MUST BE LABELED POISON & FLAMMABLE LIQUIDS

"DO NOT TAKE INTERNALLY"