

Material Safety Data Sheet

Required under USDL Safety and Health Regulations for Employee Employment (29 CFR 1910)

U.S. Department of Labor

Occupational Safety and Health Administration



OSHA No. 1316007-
Expiration Date 06/31/86

PERMANENT INK FOR OR WRITING INSTRUMENTS

Section I

Manufacturer's Name

Schwan-STARBU Schwanblauer GmbH & Co.

Emergency Telephone Number

V-Germany 0911/3609-1

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

Maxfeldstraße 3

Chemical Name and Synonyms

alcoholic ink

Trade Name and Synonyms

STARBU Projektion 730
STARBU Green 198, 98, 76, 56P

P.O. Box 4955

Chemical Family

alcoholic ink

8500 Nürnberg V-Germany

Section II - Hazardous Ingredients

Pigments, Preservatives, and Solvents

% TLV (Units) Alloys and Metallic Coatings

% TLV (Units)

Pigments

none

Base Metal

none

Catalyst

none

Alloys

none

Yield

none

ppm

Metallic Coatings

none

Solvents

Ethyl alcohol

70 1000

Flux Metal

none

Butanol

15 100

Plus Coating or Core Flux

none

Additives

none

ppm

Others

none

Others

none

Hazardous Materials of Other Liquids, Solids or Gases

% TLV (Units)

none

Section III - Physical Data

Boiling Point (°F)

81 ° C

Specific Gravity (H₂O=1)

approx. 0.88

Vapor Pressure (mm Hg.)

Percent Volatile by Volume (%)

= 85

Vapor Density (AIR=1)

Evaporation Rate

= 1)

Solubility in Water

partially mixable:

Appearance and Odor

colored, alcoholic

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

12 ° ASTM

Flammable Limits

LEL 1,4

UEL 15

Extinguishing Media

CO₂, water, powder-extinguishing

Special Fire Fighting Procedures

not necessary

Unusual Fire and Explosion Hazards

none known

29780-29789

Section V - Health Hazard Data

LD50 (Oral, Rat)

none known

Effect of Overexposure

none known

Emergency First Aid Procedures

oral ingestion: drink much water

eye contact: wash out generously with water, visit doctor

Section VI - Reactivity Data

Stability

Unstable

Conditions to Avoid

Stable

in area of application

Reactivity (Mixtures to Avoid)

none known

Hazardous Decomposition Products

none known

Hydrolyzable

May Occur

Conditions to Avoid

Will Not Occur

none

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spills

Soak up with absorbent material.

dilute the remainder with water

Waste Disposal Method

Dispose of as instructed

Section VIII - Special Protection Information

Respiratory Protection (Specify Type)

Not necessary

Ventilation

Local Exhaust

None

Special

None

Mechanical (General)

None

Other

None

Protective Gloves

None

Eye Protection

None

Other Protective Equipment

None

Section IX - Special Precautions

Precautions to be Taken in Handling and Storage

None

Other Precautions

None