

SECTION 1: Product and Company identification

Product identifier

Trade name: **CENTURY Sheetfed Specials & Pantone matches (all codes).**

Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the preparation **Printing inks.**

Details of the supplier of the safety data sheet

Manufacturer/Supplier

SUPERIOR PRINTING INK CO., INC.
100 NORTH STREET
TETERBORO, NJ 07608

EMERGENCY TELEPHONE NUMBER

201 478 5600
www.superiorink.com

SECTION 2 : Hazards identification

Classification of the substance or mixture:

Repr. 2 Reproductive toxicity, Category 2.

GHS08



Skin Sens. 1 Sensitization-Skin, Category 1.

GHS07

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Pictogram Code	Pictogram	Type of Hazard	Description
GHS08		Health	
GSH07		Health	

Signal Word: Warning

Hazard-determining components of labeling:

tert-Butylhydrochinon

Cobalt(2-ethylhexanoat)

Hazard Code	Physical Hazard Statement
H317	May cause an allergic skin reaction.
H361	Suspected of damaging fertility or the unborn child.

Precautionary Code	Response precautionary statements	Safety Phrase
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.	Preventative
P280	Wear protective gloves/protective clothing /eye protection/face protection.	
P321	Specific treatment (see on this label).	

P363	Wash contaminated clothing before reuse.	
P405	Store locked up.	
P501	Dispose of contents/container in accordance with Local/regional/national/international regulations.	Waste

SECTION 3 : Composition/Information on ingredients

Synonyms : Sheetfed Ink

Dangerous components:

Which are hazardous within the meaning of statutory order on dangerous Substances 67/548/EEC.

136-52-7 Cobalt(2-ethylhexanoat)	< 0.5%
1948-33-0 tert-Butylhydroquinone	< 0.5%
13434-24-7 Manganese(2-ethylhexanoat)	< 1.0%

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4 : First aid measures

Description of first aid measures:

General information: In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

After inhalation: Remove to fresh air. Keep patient warm and at rest.

After skin contact : Remove contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

After eye contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses. Obtain medical attention.

After swallowing Do NOT induce vomiting. Obtain medical attention.

Information for doctor

Most important symptoms and effects, both acute and delayed : No further relevant information available.

Indication of any immediate medical attention and special treatment needed : No further relevant information available.

SECTION 5. Firefighting measures

Extinguishing media:

Suitable extinguishing agents: Alcohol resistant foam, CO2, powders, water spray.

For safety reasons unsuitable extinguishing agents: Water jet.

Special hazards arising from the substance or mixture: Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water.

Advice for firefighters: Protective equipment : No special measures required.

Additional information: Collect run-off from fire fighting.

SECTION 6 : Accidental release measures

Extinguishing media:

Suitable extinguishing agents: Alcohol resistant foam, CO2, powders, water spray.

For safety reasons unsuitable extinguishing agents: Water jet.

Special hazards arising from the substance or mixture: Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water.

Advice for firefighters: Protective equipment : No special measures required.

Additional information: Collect run-off from fire fighting.

SECTION 7 : Handling and storage

Handling:

Precautions for safe handling: Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Comply with health and safety at work laws. Avoid concentrations higher than the occupational exposure limits (see Section 8), if applicable.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and containers: Keep container lightly closed. No smoking.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information about storage conditions: Always keep in containers of the same material as the original one. Store in a dry, well ventilated place. Keep away from heat and direct sunlight. Store in accordance with the particular national regulations concerning water pollution. Observe label precautions.

Specific end use(s): No further relevant information available.

SECTION 8 : Exposure controls/personal protection

Additional information about design of technical systems:

If relevant apply technical measures to comply with the occupational exposure limits. This can be by a good general extraction and-if practically feasible, be achieved by local exhaust ventilation.

Control parameters

Components with critical values that require monitoring at the workplace

Numerical data - if specified - are taken from the valid national lists.

Exposure Controls

Personal protective equipment

Protection of hands:

For prolonged or repeated contact use gloves.

Barrier creams may help to protect exposed skin, they should however not be applied once have come into contact with the product.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Recommended protective glove:

Article / Name /Material / Thickness Material / Breakthrough Time Remarks

Nr. 730/ Camatril Velours / Nitril / 0,4 mm Level 6 > 480 min. by full contact

Nr. 743/ Dermatril / Nitril / 0,2 mm Level 2 > 30 min. by splash contact

This recommendation is only for the product delivered by us and its intended purpose.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Use safety eyewear designed to protect against splash of liquids.

Body protection:

Working clothes must not consist of textiles which show a dangerous melting behavior in case of fire.

All parts of the skin should be washed after contact.

SECTION 9 : Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance

Form: Solid according ADR Annex 2.3.4 or ASTM D 4359-90

Color: according to the trade name of the product

Smell: characteristic

Odor threshold: Not determined.

pH-value: Not determined.

Change in condition:

Melting point/Melting range: Not determined.

Flash point: > 100° C

Inflammability (solid, gaseous): Not applicable.

Ignition temperature:

Decomposition temperature: Not determined.

Self-inflammability: Not determined.

Danger of explosion: Not determined.

Critical values for explosion:

Lower: Not determined.

Upper: Not determined.

Steam pressure: Not determined.

Density: at 20° C 0.99 g/cm³

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with:

Water: Partly or not miscible

Partition coefficient (n-octanol/water): Not determined.

Viscosity: Not determined.

dynamic: Not determined.

kinematic: Not determined.

Organic solvents: < 0.01 %

Water: < 0.06 %

Specific Gravity @ 25 degrees C:

Pounds per gallon @ 25 degrees C: 8.2 to 8.8

VOC via EPA method 24: 10% to 15 % depending on the match

Other information: No further relevant information available.

SECTION 10 : Stability and reactivity

Reactivity: No further relevant information available.

Chemical stability: No further relevant information available.

Thermal decomposition/conditions to be avoided: Stable under recommended storage and handling conditions (see section 7)

Conditions to avoid: No further relevant information available.

Incompatible materials: Keep well away from oxidising agents and strongly alkaline or strong acid materials in order to avoid exothermic reactions.

Hazardous decomposition products: Stable

Reactivity: No further relevant information available.

Chemical stability: No further relevant information available.

Thermal decomposition/conditions to be avoided: Stable under recommended storage and handling conditions (see section 7)

Conditions to avoid: No further relevant information available.

Incompatible materials: Keep well away from oxidising agents and strongly alkaline or strong acid materials in order to avoid exothermic reactions.

Hazardous decomposition products: Stable

SECTION 11 : Toxicological information

The Preparation is classified according to the conventional method (calculation method of the EC-directive 1999/45/EC). Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in skin dryness. The product may be absorbed through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

Information on toxicological effects

Acute toxicity: No data available

LD/LC50 values that are relevant for classification:

136-52-7 Cobalt(2-ethylhexanoat)

Oral: LD50: 3129 mg/kg (rat)

Dermal: LD50: >2000 mg/kg (rat)

1948-33-0 tert-Butylhydroquinone

Oral: LD50: 951 mg/kg (rat)

Additional toxicological information: This product contains IARC 2B classified Carbon black (see below). This classification is based on inhalative exposure to Carbon black dust. In the product supplied, the substance particles are bound and as such not airborne and respirable.

This product contains IARC 2B classified Cobalt(II)2-ethylhexanoate (see below). This classification is based on inhalative exposure to cobalt compounds. In the product supplied, the substance particles are bound and as such not airborne and respirable.

Carcinogenic categories:

IARC (International Agency for Research on Cancer)

1333-86-4 C.I.Pigment Black 7: 2B

9002-88-4 Polyethylene: 3

136-52-7 Cobalt(2-ethylhexanoat): 2B

128-37-0 BHT: 3

NTP (National Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

SECTION 12 : Ecological information

The Product should not be allowed to enter drains of water courses or soil.

Toxicity

136-52-7 Cobalt(2-ethylhexanoat)

Algae toxicity: 0.2831 mg/l (Algae) (EC50; 72 h)

Daphnia toxicity: 2.618 mg/l (Daphnia) (EC50; 48 h)

Fish toxicity: 275 mg/l (Fish) (LC50; 96 h)

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bio accumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

SECTION 13 : Disposal considerations

Waste treatment methods

Recommendation - Do not allow to enter drains. dangerous substances

Uncleaned packagings: Waste

Recommendation: Emptied containers should be disposed off into scrap recycling or reconditioning respectively. Not orderly emptied cans and ink remnants are special waste.

SECTION 14 : Transport information

Not classified according to transport regulations for dangerous goods (like ADR/RID, IMDG and ICAO/IATA).

UN-Number

DOT,ADR, ADN,IMDG, IATA

Transport hazard class(es)

DOT ADR ADN IMDG IATA

Packing group

DOT ADR ADN IMDG IATA

Environmental hazards:

Marine pollutant: No

Special precautions for user not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC

Not applicable.

SECTION 15 : Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Section 355 (Extremely hazardous substances): None of the ingredients is listed.

SARA Section 313 (specific toxic chemical listings): 136-52-7 Cobalt(2-ethylhexanoat)

T S C A (Toxic Substances Control Act): All ingredients are listed.

Prop 65 # Chemicals known to cause cancer: If carbon black, titanium dioxide and/or crystalline silicon are present, they are present as bound particles, not airborne, and not respirable.

Carcinogenicity categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH):

128-37-0 BHT: A4

133-86-4 C.I. Pigment black 7:A4

NIOSH - Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms: GHS07 GHS08

Signal word Warning

Hazard-determining components of labeling:

tert-Butylhydroquinone

Cobalt(2-ethylhexanoat)

National regulations: The product is subject to classification in accordance with the prevailing version of the regulations on hazardous materials.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

The information on this Safety Data Sheet is based on the present state of our knowledge. The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps in

order to fulfil the demands laid down in the local rules and legislation. The Information in this Safety Data Sheet is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product's properties.

Date of preparation / last revision - 01 June, 2015 / 1

Abbreviations and acronyms:

ADR: Accord European sur le transport des marchandises dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by Road)

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SKIN SENS.1: Sensitization - Skin, Hazard Category 1

REPR.2: Reproductive toxicity, Hazard Category 2

*** Data compared to the previous version altered.**

SDS Format – SHEETFED Generic