

Safety Data Sheet

according to HPR, Schedule 1

Issue date 11/23/2022

Reviewed on 11/23/2022

*** 1 Identification**

- **Product Identifier**
- **Trade Name: SpeedyDry**
- **Product Description:** Ink Additive
- **Application of the substance / the mixture:** To be added to conventional offset inks.
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Genesis, LLC
256 West Trade Street
Burlington, NC U.S.A
Phone: 1-336-261-0170
- **Emergency telephone number:**
800-424-9300 (Chemtrec U.S. & Canada Calls)
+32 14 58 45 45 (24h/24h) Information centre on dangerous goods (BIG)

*** 2 Hazard identification**

- **Classification of the substance or mixture:**



Health hazard

Specific Target Organ Toxicity - Single Exposure - Category 2	H371	May cause damage to organs.
Specific Target Organ Toxicity - Repeated Exposure - Category 1	H372-H373	Causes damage to organs through prolonged or repeated exposure. May cause damage to the respiratory system through prolonged or repeated exposure.
Aspiration Hazard - Category 1	H304	May be fatal if swallowed and enters airways.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Cobalt Neodecanoate
Manganese Neodecanoate
Distillates (petroleum), hydrotreated middle
- **Hazard statements:**
H371 May cause damage to organs.
H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause damage to the respiratory system through prolonged or repeated exposure.

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H304 May be fatal if swallowed and enters airways.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P308+P311 IF exposed or concerned: Call a poison center/doctor.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

This value refers to knowledge of known, established toxicological or ecotoxicological values.

26.9 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

Information pertaining to particular dangers for man and environment:**NFPA ratings (scale 0 - 4)****HMIS-ratings (scale 0 - 4)**

HEALTH	3	Health = 3
FIRE	1	Fire = 1
REACTIVITY	0	Physical Hazard = 0

Hazard(s) not otherwise classified (HNOC): None known*** 3 Composition/Information on ingredients****Chemical characterization: Substance****Description:** Mixture of substances listed below with non-hazardous additions.**Dangerous Components:**

CAS: 27253-31-2	Cobalt Neodecanoate ⚠ Respiratory Sensitizer - Category 1, H334; Carcinogenicity – Category 2B, H351; Aspiration Hazard - Category 1, H304; ⚠ Skin Irritation - Category 2, H315; Eye Irritation - Category 2A, H319	15-35% w/w *
CAS: 27253-32-3	Manganese Neodecanoate ⚠ Specific Target Organ Toxicity - Category 2, H371; Aspiration Hazard - Category 1, H304; ⚠ Acute Toxicity (Oral) - Category 4, H302; Acute Toxicity (Inhalation) - Category 4, H332; Skin Irritation - Category 2, H315; Eye Irritation - Category 2A, H319; Flammable Liquids - Category 4, H227	5-10% w/w *

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CAS: 64742-46-7	Distillates (petroleum), hydrotreated middle ⚠️ Aspiration Hazard - Category 1, H304	2-12% w/w *
CAS: 25265-71-8	Dipropylene Glycol Not Classified	≤.5% w/w
CAS: 136-52-7	cobalt(II) 2-ethylhexanoate ⚠️ Acute Toxicity (Inhalation) - Category 3, H331; ⚠️ Carcinogenicity – Category 2, H351; Acute Toxicity (Oral) - Category 4, H302; Acute Toxicity (Dermal) – Category 4, H312	≤.09% w/w

* Actual concentration ranges are withheld as a trade secret.

*** 4 First-aid measures**· **Description of first aid measures**· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** In case of unconsciousness place patient stably in the side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

In case of contact with skin, immediately remove contaminated clothing and shoes. Wash with mild soap and plenty of water. Seek medical advise immediately. Launder clothing before reuse.

· **After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

If eye irritation occurs, consult a doctor.

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. Check the victim for contact lenses and remove if present.

· **After swallowing:**

To prevent aspiration of swallowed product, lay victim on side with head lower than waist.

Immediately call a doctor.

If swallowed, seek medical advise immediately. Never give anything by mouth to an unconscious or convulsing person. Have victim rinse mouth with water, then give water to drink. Do not induce vomiting.

· **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.

*** 5 Fire-fighting measures**· **Extinguishing media**

· **Suitable extinguishing agents:** To fight fires, use carbon dioxide, chemical foam, dry powder or water fog.

· **For safety reasons unsuitable extinguishing agents:**

Water should only be used with caution or to cool fire exposed containers. Do not use a solid stream of water, as this may cause frothing or spreading of the burning material.

· **Special hazards arising from the substance or mixture:**

Closed containers may rupture when exposed to heat and flame, due to build up of internal pressure. Vapours are heavier than air and will collect in confined and low lying areas. Fire may result in toxic and irritating fumes. The following toxic gases may develop in the event of a fire: Carbon oxides, cobalt oxides and manganese oxides.

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Trade Name: SpeedyDry· **Advice for firefighters**· **Special protective equipment for firefighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

· **Additional information:**

Move container from fire area if it can be done without risk. Use water spray to keep fire exposed containers cool. Keep run-off water out of sewers and water sources. Dike for water control.

* **6 Accidental release measures**· **Personal precautions, protective equipment and emergency procedures:**

All persons dealing with clean-up should wear the appropriate chemically protective equipment as outlined in Section 8. Keep unprotected personnel upwind and away from the spill/release.

· **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Dilute with plenty of water.

Ensure spilled product does not enter drains, sewers, waterways and soil.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

Ventilate area of release and stop leak if possible without risk. Wear necessary chemically protective equipment such as gloves, goggles and suitable protective clothing. Absorb spill with inert, non-combustible material such as sand, then place into suitable labeled, waste disposal containers. Do not use combustible material such as saw dust. Wash thoroughly after dealing with spillage. Notify appropriate local authorities, if required.

· **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· **PAC-1:**

25265-71-8 Dipropylene Glycol

150 mg/m³· **PAC-2:**

25265-71-8 Dipropylene Glycol

1,700 mg/m³· **PAC-3:**

25265-71-8 Dipropylene Glycol

9900** mg/m³* **7 Handling and storage**· **Handling**· **Precautions for safe handling:**

Avoid contact with skin, eyes and clothing

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

FOR PROFESSIONAL USE ONLY. Pregnant workers or workers who have recently given birth should avoid working with this product. Persons with asthmatic type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with this product. Always wear personal protective equipment when handling this product. Use in a well ventilated area. Avoid inhaling vapours or mist. Avoid contact with eyes, skin and clothing. Keep away from extreme heat and flame. Keep

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- away from incompatible materials. Wash thoroughly after handling material.
- **Information about protection against explosions and fires:** Keep protective respiratory device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool, dry well-ventilated area. Store away from incompatible materials. Protect from damage. Inspect periodically for damage or leaks. Keep out of the reach of children.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**

· **Components with occupational exposure limits:****64742-46-7 Petroleum distillate (hydrotreated middle) *Note**

Note: The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen. This note only applies to certain oil-derived substances in Annex VI.

136-52-7 cobalt(II) 2-ethylhexanoate

EL TWA: 0.02 mg/m³
as Co; IARC 2B; S(D), S(R)

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
Use in well ventilated area. Observe Occupational Exposure Limits (OEL) and minimize the risk of inhalation of vapors or mists. Use mechanical or local exhaust ventilation.
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or use cosmetics while working with this product.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
Exposure should be avoided by use of proper ventilation. Where exposure is likely to be prolonged or is unknown, wear approved respiratory protection. Confirmation of which respirator is most suitable for the intended application should be obtained from the respiratory protection supplier.
- **Protection of hands:**



Protective gloves

Use chemically protective gloves. Protective gloves should be inspected for wear before use and should be replaced regularly in accordance with the manufacturers specifications. Confirmation of which material is most suitable for the intended application should be obtained from the glove supplier.

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Trade Name: SpeedyDry**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

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

Eye protection:

Tightly sealed goggles

Wear chemical safety glasses with side shields. If splashes are possible, use chemical splash goggles to prevent any liquid or mist from entering the eyes.

Body protection:

Protective work clothing

Wear chemically resistant apron, sleeves and other clothing to prevent skin contact.

Limitation and supervision of exposure into the environment: None* **9 Physical and chemical properties****Information on basic physical and chemical properties****General Information****Appearance:****Form:**

Liquid

Color:

Purple

Odor:

Mild

pH-value:

Not available

Change in condition**Melting point/Melting range:**

Not determined.

Boiling point/Boiling range:

≥36 °C

Flash point:

96 °C (Pensky Martens Closed Cup)

Flammability (solid, gaseous):

Not applicable.

Ignition temperature:

Not applicable

Decomposition temperature:

Not determined.

Auto igniting:

Product is not self-igniting.

Danger of explosion:

Product does not present an explosion hazard.

Explosion limits:**Lower:**

1.1 Vol %

Upper:

6 Vol %

Vapor pressure @ 20 °C:

≤1.3 hPa

Density @ 20 °C:1 g/cm³

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- **Relative density:** Not determined.
- **Vapor density:** <1 (air=1)
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
- **Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.
- **Solvent content:**
- **VOC content:** 0.00 %
- **Solids content:** 0.1 %
- **Other information:** No further relevant information available.

*** 10 Stability and reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**
The following toxic gases may develop in the event of a fire: Carbon oxides, cobalt oxides and manganese oxides.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:**
Irritant gases/vapors
If heated or involved in a fire, toxic and irritating fumes of carbon oxides, manganese oxides and cobalt oxides may be formed.

*** 11 Toxicological information**

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

25265-71-8 Dipropylene Glycol

Oral LD50 >14.8 ml/kg (Rat)

Dermal LD50 >20 ml/kg (Rabbit)

- **Primary irritant effect:**
- **On the skin:**
May cause allergic skin reaction.
Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Sensitization:**
Sensitization possible through inhalation.
Sensitization possible through skin contact.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

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Trade Name: SpeedyDryHarmful
Irritant

- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
 - Group 1 - Carcinogenic to humans
 - Group 2A - Probably carcinogenic to humans
 - Group 2B - Possibly carcinogenic to humans
 - Group 3 - Not classifiable as to its carcinogenicity to humans
 - Group 4 - Probably not carcinogenic to humans

27253-31-2	Cobalt Neodecanoate	2B
136-52-7	cobalt(II) 2-ethylhexanoate	2B

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **Carcinogenicity** Group 2B - Possibly carcinogenic to humans

* **12 Ecological information**· **Toxicity:**· **Aquatic toxicity:**

Unknown. This product may be toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment, based on confirmed acute aquatic toxicity.

aquatic environment, based on confirmed acute aquatic toxicity. The ecotoxic effects of the product itself have not been thoroughly investigated. This product contains cobalt neodecanoate (CAS # 27253-31-2). Specific aquatic toxicity data for cobalt neodecanoate is limited. Cobalt neodecanoate may be listed in ATP Proposal 30 to the Environmentally Hazardous Substances Directive. The product also contains 'white mineral oil (petroleum)' and 'distillate (petroleum), direct distillation medium', which may be harmful to aquatic organisms.

The acute toxicity of white mineral oil (petroleum) is (IUCLID):

Fish - 96 Hr LC50, Sunfish (*Lepomis macrochirus*) => 10 g / L

The acute toxicity of the 'distillate (petroleum), to run medium' is (EHC 171):

Fish - 96 Hr LC50, Salmonids (*Oncorhynchus* sp.) = 32 - 33 216 mg / L 96 Hr LC50,Goldfish (*Leuciscus idus melanotus*) = 120 to 160 mg / LAquatic Invertebrates - LC50, water flea (*Daphnia magna*) = 20 mg / L.

The acute toxicity of cobalt metal is (IUCLID):

Fish - 96-Hr LC50, zebrafish (*Brachydanio rerio*) => 100 mg/L.Aquatic plants - 72-Hr IC50, green algae (*Selenastrum capricornutum*) = 0.05 to 0.26 mg/L.

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

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Trade Name: SpeedyDry*** 13 Disposal considerations**· **Waste treatment methods**· **Recommendation:**

Must not be disposed of together with household waste. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

This product and its containers may be required to be disposed of as a hazardous waste. The product may be classified as a special waste, however the waste classification must be determined based on the source that is generating the waste. Dispose of all hazardous waste in accordance with Local Authority requirements.

· **Uncleaned packaging**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information· **UN-Number:**

· **DOT/TDG, ADR, ADN, IMDG, IATA** Non-Regulated Material

· **UN proper shipping name:**

· **DOT/TDG, ADR, ADN, IMDG, IATA** Non-Regulated Material

· **Transport hazard class(es):**

· **DOT, ADR, ADN, IMDG, IATA**

· **Class:** Non-Regulated Material

· **Packing group:**

· **DOT/TDG, ADR, IMDG, IATA** Non-Regulated Material

· **Environmental hazards:** Not applicable.

· **Special precautions for user:** Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

· **UN "Model Regulation":** Non-Regulated Material

*** 15 Regulatory information**

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

· **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

27253-31-2	Cobalt Neodecanoate
136-52-7	cobalt(II) 2-ethylhexanoate

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

Cobalt Neodecanoate

Distillates (petroleum), hydrotreated middle

Cobalt bis (2-ethylhexanoate)

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Trade Name: SpeedyDry· **Canadian substance listings:**· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

· **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 1%):**

25265-71-8 Dipropylene Glycol

· **GHS label elements**

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

· **Hazard pictograms:**· **Signal word:** Danger· **Hazard-determining components of labeling:**

Cobalt Neodecanoate

Manganese Neodecanoate

Distillates (petroleum), hydrotreated middle

· **Hazard statements:**

H371 May cause damage to organs.

H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause damage to the respiratory system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

· **Precautionary statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P308+P311 IF exposed or concerned: Call a poison center/doctor.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

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

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Trade Name: SpeedyDry

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Contact:**

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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