

Safety data sheet

REACH: Regulation (EC) No 2020/878 (in particular as amended by Regulation (EU) No. 1907/2006 & 2015/830 with respect to SDSs) & CLP: Regulation (EC) No 1272/2008

Printing date 11.11.2022

Version number 27

Revision: 11.11.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier:**
- **Trade name:** SpeedyDry
- **REACH Registration number:** Not relevant
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.
- **Product category** Ink Additive
- **Application of the substance / the mixture:** To be added to conventional offset inks.
- **1.3 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
- **1.4 Emergency telephone number:**
800-424-9300 (Chemtrec U.S. & Canada Calls)
+32 14 58 45 45 (24h/24h) Information centre on dangerous goods (BIG)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT RE 2 H373 May cause damage to the respiratory system through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS08

- **Signal word:** Danger

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- **Hazard-determining components of labelling:**

Cobalt Neodecanoate
Manganese Neodecanoate
Distillates (petroleum), hydrotreated middle

- **Hazard statements:**

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373 May cause damage to the respiratory system through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.

- **Precautionary Statements:**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

P362+P364 Take off contaminated clothing and wash it before reuse.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P405 Store locked up.

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

- **Additional information:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.
26.9 % of the mixture consists of component(s) of unknown toxicity.
Contains 38 % of components with unknown hazards to the aquatic environment.

- **2.3 Other hazards:** None known

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 27253-31-2	Cobalt Neodecanoate ⚠ Resp. Sens. 1, H334; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	15-35%
CAS: 27253-32-3	Manganese Neodecanoate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 2, H371; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	5-10%

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CAS: 64742-46-7 EINECS: 265-148-2	Distillates (petroleum), hydrotreated middle NOTE* Flam. Liq. 3, H226; Muta. 2, H340; Carc. 2, H350; STOT RE1, H372; Asp. Tox. 1, H304; NOTE-classification as carcinogen need not apply if full refining history is known and can be shown it is not a carcinogen.	≤2.5%
CAS: 136-52-7 EINECS: 205-250-6	cobalt(II) 2-ethylhexanoate Acute Tox. 3, H331; Acute Tox. 4, H302; Acute Tox. 4, H312	≤0.09%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** If symptoms persist, call a physician.
- **After inhalation:** In case of unconsciousness, place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.
- **After eye contact:**
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
If easy to do so, remove contact lenses if worn.
If eye irritation occurs, consult a doctor.
- **After swallowing:**
Call for a doctor immediately.
Never give anything by mouth to an unconscious person.
Do not induce vomiting without medical advice.
To prevent aspiration of swallowed product, lay victim on side with head lower than waist.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **5.2 Special hazards arising from the substance or mixture:** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated materials as waste according to section 13.
Ensure adequate ventilation.
Dispose of the material collected according to regulations.

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· 6.4 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.

* SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.

- **Information about fire and explosion protection:** Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

* SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

- **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

64742-46-7 Petroleum distillate (hydrotreated middle)

VL (Belgium)	Long-term value 1800 mg/m ³ , 300 ppm
TWA (Italy)	Long-term value 1800 mg/m ³ , 300 ppm
OEL (Ireland)	Long-term value 1800 mg/m ³ , 300 ppm

25265-71-8 Dipropylene glycol (isomer unspecified)

AGW (Germany)	Long-term value: 100 E mg/m ³ 2(II); DFG, Y, 11
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136-52-7 cobalt(II) 2-ethylhexanoate

TRK (Austria)	Short-term value: 0.4E mg/m ³ Long-term value: 0.1E mg/m ³ als Co berechnet
MAK (Germany)	einatembare Fraktion; vgl. Abschn. XIII
WEL (Great Britain)	Long-term value: 0.1 mg/m ³ as Co; Carc, Sen
OEL (Ireland)	Long-term value: 0.02 mg/m ³ as Co; Sens.

- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- The usual precautionary measures are to be adhered to when handling chemicals.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.

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Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective gloves

· **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 can not 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 found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **8.2.3 Environmental exposure controls:** None

* SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Colour: Purple

· **Odour:** Mild

· **pH-value:** Not determined.

· **Change in condition**

Melting point/freezing point: Not determined.

Initial boiling point and boiling range: 156 °C

· **Flash point:** 96 °C (Pensky Martens Closed Cup)

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** Not applicable

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not self-igniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: 1.1 Vol %

Upper: 6 Vol %

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- **Vapour pressure @ 20 °C:** ≤1.3 hPa
- **Density @ 20 °C:** 1 g/cm³
- **Relative density:** Not determined.
- **Vapour density:** <1 (air=1)
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Solids content:** 0.1 %
- **9.2 Other information** No further relevant information available.

* SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No further relevant information available.
- **10.2 Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

* SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

25265-71-8 dipropylene glycol

Oral	LD50	>14.8 ml/kg (Rat)
Dermal	LD50	>20 ml/kg (Rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
May cause allergic skin reaction.
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Sensitisation:**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

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- **Carcinogenicity**
May cause cancer
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT (Specific target organ toxicity)-single exposure**
Based on available data, the classification criteria are not met.
- **STOT (Specific target organ toxicity)-repeated exposure**
May cause damage to the respiratory system through prolonged or repeated exposure.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- **12.1 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 / L
Aquatic 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.

- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

* SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **14.2 UN proper shipping name**
- **ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **14.3 Transport hazard class(es)**
- **ADR/ADN, ADN, IMDG, IATA**
- **Class** Non-Regulated Material
- **14.4 Packing group**
- **ADR/ADN, IMDG, IATA** Non-Regulated Material
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

* SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU** Substance is not listed.
- **Named dangerous substances - ANNEX I** None of the ingredients are listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** None of the ingredients are listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients are listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients are listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients are listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients are listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients are listed.

· **National regulations:**

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

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

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* SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H226 Flammable liquid and vapour.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H373 May cause damage to respiratory system through prolonged or repeated exposure.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 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
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 3: Acute toxicity – Category 3
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Resp. Sens. 1: Respiratory sensitisation – Category 1
 Carc. 2: Carcinogenicity – Category 2
 STOT SE 2: Specific target organ toxicity (single exposure) – Category 2
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Asp. Tox. 1: Aspiration hazard – Category 1

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