

SAFETY DATA SHEET

SDS NUMBER: A24
Revision: 1
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No. Pages: 7

01 PRODUCT AND COMPANY IDENTIFICATION

Product Name: TOP & BOTTOM DRIER
Product Code: X8279
Recommended Use: Printing Ink: Offset

Address:
Phone:
Fax:
Initials of Country:

02 HAZARDS IDENTIFICATION

Physical hazard(s): Not classified
Health hazard(s): Acute Toxicity (oral) Category 4
Skin Corrosion / Irritation Category 2
Sensation, skin Category 1
Reproductive toxicity (fertility) Category 2
Environmental hazard(s): Hazardous to the aquatic environment, long-term hazard Category 2

APPEARANCE AND ODOR: COLORED PASTE, OILY SMELL

SIGNAL WORD: **WARNING**

HAZARD PICTOGRAMS AND STATEMENTS:



PHYSICAL HAZARDS

H302 Harmful if swallowed.

H315 Causes Skin Irritation.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H401 Toxic to aquatic life

PRECAUTIONARY STATEMENTS

PREVENTION

P264 Wash hands thoroughly after handling.

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

P280 Wear protective gloves.

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

P281 Use personal protective equipment as required.

P273 Avoid release to the environment.

RESPONSE

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: wash with plenty of soap and water.

P332+P313 If skin irritation occurs: get medical advice/attention.

P330 Rinse mouth.

P362 Take off contaminated clothing and wash before reuse.

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

STORAGE:

Store Locked Up

03. COMPOSITION/INFORMATION ON INGREDIENTS*For Mixtures:*

Chemical Name	Cas No. and other unique identifiers	Concentration
Fatty acids, tall oil, manganese salts	8030-70-4	1.0-1.5%
Tall oil Fatty acid	8002-26-4	<1%
Fatty acids, tall oil, cobalt salts	61789-52-4	24-28%
Distillates (petroleum)	64742-46-7	7%
Residual oil, dewaxed	64742-62-7	4.35%
Diethylene glycol	111-46-6	<1%

04. FIRST AID MEASURES*Inhalation:*

Allow the victim to rest in a well ventilated area. Consult a doctor if the victim continues to feel unwell.

Skin contact:

If in contact with skin, wash immediately with plenty of soap and water. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

Ingestion:

Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Consult a doctor if the victim continues to feel unwell.

05. FIRE FIGHTING MEASURES*Extinguishing Media:*

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media:

Do not use water jet as an extinguisher, as this will spread the fire.

Unusual Fire/Explosion Hazards:

Dense smoke may be generated when burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

Hazardous Combustion Products:

Hydrocarbons, carbon monoxide (CO), soot, smoke.

FIRE FIGHTING EQUIPMENT:

Firefighters and others who are exposed should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

06. ACCIDENTAL RELEASE MEASURES*Personal Precautions:*

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental Precautions:

This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Small Spills:

Absorb small spills with an inert material and then place in a chemical waste container. Refer to section 13 for disposal information and Sections 14 and 15 for reportable quantity information.

Large Spills:

Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material with an inert material such as sand. Clean spill area with detergent.

07. HANDLING AND STORAGE

Handling Precautions:

Wear all appropriate Personal Protective Equipment (PPE). Use the product in a manner which minimizes splashes. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Wash exposed skin thoroughly after handling.

Storage Requirements:

Containers should be stored away from heat. Keep containers tightly closed and in a dry place.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:

U.S. OSHA

Components	Type	Value	Form
Fatty Acids, Tall-oil, Cobalt Salts (CAS 61789-52-4) Comments: For metal dust and fume, as Co.	PEL	0.1 mg/m3	

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Distillates (Petroleum), Hydrotreated Middle (CAS 64742-46-7)	PEL	5 mg/m3	Mist
Fatty Acids, Tall-oil, Manganese Salts (CAS 8030-70-4) Comments: For Manganese, fume as Mn.	Ceiling	5 mg/m3	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Distillates (Petroleum), Hydrotreated Middle (CAS 64742-46-7)	TWA	5 mg/m3	Inhalable fraction.

U.S. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Distillates (Petroleum), Hydrotreated Middle (CAS 64742-46-7)	STEL	10 mg/m3	Mist
	TWA	5 mg/m3	Mist

Eye/Face Protection:

Chemical respirator with organic vapor cartridge and full facepiece.

Hand Protection:

Use of gloves or barrier cream recommended. Do not apply barrier cream after exposure. Consult the glove/clothing manufacturer to determine the appropriate type of glove or clothing for use with this material in your specific application.

Body Protection:

Wash contaminated skin thoroughly and promptly with mild soap and water. Do not use solvents, as these can penetrate the skin and cause irritation. Launder contaminated clothing and clean protective equipment before reuse.

Respiratory Protection:

Chemical respirator with organic vapor cartridge and full facepiece.

09. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Thick, tacky liquid

pH Value:

Not determined

Boiling Range:

> 520 F

<i>Vapor Pressure (mmHg):</i>	Not determined
<i>Vapor Density:</i>	Heavier than air
<i>Flash Point:</i>	> 275 F
<i>Specific Gravity (color dependent):</i>	Varies by color see section 16 for details
<i>LBS. VOC/Gallon of Ink::</i>	Varies by color see section 16 for details
<i>% VOC (WT):</i>	5%

10. STABILITY AND REACTIVITY

<i>Reactivity:</i>	Stable
<i>Chemical stability:</i>	Stable
<i>Possibility of hazardous reactions:</i>	No hazardous reactions when stored and handled according to instructions. This product is chemically stable.
<i>Conditions to avoid:</i>	Contact with incomapatable materials.
<i>Incompatibilities:</i>	Strong oxidizing agents.
<i>Hazardous Decomposition Products:</i>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute effects of exposure:

<i>Inhalation:</i>	<i>Prolonged inhalation may be harmful.</i>
<i>Ingestion:</i>	<i>Harmful if swallowed.</i>
<i>Skin contact:</i>	<i>Causes skin irritation. May cause an allergic skin reaction.</i>
<i>Eye contact:</i>	<i>Direct eye contact may cause temporary irritation.</i>
<i>Chronic effects:</i>	<i>Prolonged inhalation may be harmful.</i>
<i>Specific target organ toxicity - single exposure:</i>	<i>Not classified.</i>
<i>Specific target organ toxicity - repeated exposure:</i>	<i>Not classified.</i>
<i>Carcinogenicity:</i>	<i>Not a carcinogen by IARC, NTP or OSHA.</i>

12. ECOLOGICAL INFORMATION

<i>Ecotoxicity:</i>	<i>Toxic to aquatic life with long lasting effects.</i>
<i>Persistence and degradability:</i>	<i>No data available</i>
<i>Bioaccumulative potential:</i>	<i>No data available</i>
<i>Mobility in soil:</i>	<i>No data available</i>
<i>Other adverse effects:</i>	<i>No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creationpotential, endocrine disruption, global warming potential) are expected from this component.</i>

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

MISCELLANEOUS ADVICE:

This material and its container must be disposed of in a safe way. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA. Dispose of through a licensed facility.

14. TRANSPORT INFORMATION

DOT

UN number UN3082
UN Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Fatty acids, Tall-oil, Cobalt Salts): (dimmer fatty acid(C18)poly amido amine resin)
Transport hazard class(es):
 Class 9
 Subsidiary risk -
 Label(s) 9
Packaging Group: iii
Environmental hazards:
 Marine pollutant Yes

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling. Under 49 CFR 171.4, Except when transporting aboard a vessel, the requirements of this subchapter specific to marine pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars, and aircraft.

IATA

UN number UN3082
UN Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Fatty acids, Tall-oil, Cobalt Salts): (dimmer fatty acid(C18)poly amido amine resin)
Transport hazard class(es):
 Class 9
 Subsidiary risk -
 Label(s) 9
Packaging Group: iii
Environmental hazards: Yes

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Other Information: iii
 Passenger and cargo aircraft Forbidden
 Cargo aircraft only Forbidden

IMDG

UN number UN3082
UN Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Fatty acids, Tall-oil, Cobalt Salts): (dimmer fatty acid(C18)poly amido amine resin)
Transport hazard class(es):
 Class 9
 Subsidiary risk -
 Label(s) 9
Packaging Group: iii
Environmental hazards: Yes
 Marine pollutant Yes
EmS F-A, S-F

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to ANNEX II of MARPOL 73/78 and the IBC Code: Not established.

15. REGULATORY INFORMATION

US federal regulations

This product is a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR

EPA TSCA Inventory: The chemical compounds of this product are contained on the Section 8(B) Chemical Substance Inventory List (40CFR710).

Yes

CERLA Hazardous Substance List (40 CFR 302.4)

Fatty acids, tall-oil manganese salts (CAS 8030-70-4)

Fatty acids, tall-oil cobalt salts (CAS 61789-52-4)

SARA 304 Emergency release notification:

-- Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

-- Not listed

US EPA RCRA Status: This product contains the following ingredients that are classified as hazardous wastes as this term is defined by the Resource, Conservation, and Recovery Act (RCRA), 40 CFR 261:

-- Not regulated

SARA Section 302 (40 CFR 255) Extremely Hazardous Substances: The following components are listed as extremely hazardous substances under SARA Section 302:

-- Not regulated

Clean Air Act S112 Hazardous Air Pollutants (HAPS):

Manganese compounds 8030-70-4
Cobalt compounds 61789-52-4

Superfund Amendment and Reauthorization Act of 1986 (SARA)

Fire Hazard: No

Sudden release of pressure: No

Reactive hazard: No

Immediate (Acute) health hazard: Yes

Delayed (Chronic) health hazard: Yes

SARA 302 Extremely hazardous substance:

-- Not listed

SARA 311/312 Hazardous chemical:

-- Not regulated

SARA 313 (TRI reporting):

Fatty acids, tall-oil, manganese salts (CAS 8030-70-4) 50%

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPS) List

Fatty acids, tall-oil, manganese salts (CAS 8030-70-4)

Fatty acids, tall-oil, cobalt salts (CAS 61789-52-4)

Clean Air Act (CAA) Section 112(r) Accidental rRelease Prevention (40 CFR 68.130)

-- Not regulated

US state regulations

US. California Controlled Substances. CA Department of Justice
(California Health and Safety Code Section 11100)

-- Not listed

US. California. Candidate Chemicals List. Safer Consumer
Products Regulations (Cal. Code Regs, tit. 22, 69502.3,
subd. (a))

Distillates (Petroleum), Hydrotreated Middle
(CAS 64742-46-7)

Fatty acids, tall-oil, manganese salts (CAS
8030-70-4)

US. Massachusetts RTK - Substance List

Distillates (Petroleum), Hydrotreated Middle
(CAS 64742-46-7)

US. New Jersey Worker and Community Right-to-Know Act

Fatty acids, tall oil, manganese salts (CAS 8030-70-4)

Fatty Acids, Tall-oil, Cobalt Salts (CAS 61789-52-4)

US. Pennsylvania Worker and Community Right-to-Know Law

Distillates (Petroleum), Hydrotreated Middle
(CAS 64742-46-7)

US. Rhode Island Right-to-Know

Fatty acids, tall oil, manganese salts (CAS 8030-70-4)

Fatty Acids, Tall-oil, Cobalt Salts (CAS 61789-52-4)

California Proposition 65:

This product contains trace levels of a component or
components known to the state of California to cause
birth defects or other reproductive harm.

-- Not regulated

16. OTHER INFORMATION

A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if or where precautions (in addition to those described herein) are required. Any health hazard and safety information contained herein should be passed on to your employees.

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