



SAFETY DATA SHEET

Revision Date 09/Feb/2016

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Description: **PROMOTER 46559-00**

Other means of identification

SAP ID(s): 7708 ; 7709; 7710; 46793; 189139

Material Code: 46559-00

Chemical Family: Cobalt-amine Solution

Recommended use of the chemical and restrictions on use

Intended Use: Promoter Solution

Uses advised against: No information available

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Reichhold LLC 2
Corporate Headquarters
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Research Triangle Park, NC 27709
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Emergency Telephone

E-mail address

(Chemtrec) 1-800-424-9300

prodsafety@reichhold.com

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Respiratory sensitization	Sub-category 1B
Skin sensitization	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1
Flammable liquids	Category 3

Label elements

Emergency Overview

Danger

Hazard Statements

Harmful if swallowed
Harmful in contact with skin
Toxic if inhaled
Causes skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction
 Suspected of causing cancer
 May cause respiratory irritation
 May cause damage to organs through prolonged or repeated exposure
 May be fatal if swallowed and enters airways
 Very toxic to aquatic life
 Very toxic to aquatic life with long lasting effects
 Flammable liquid and vapor



Appearance Violet

Physical State Liquid

Odor Characteristic

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Use only outdoors or in a well-ventilated area
 In case of inadequate ventilation wear respiratory protection
 Contaminated work clothing must not be allowed out of the workplace
 Do not breathe mist, vapors, spray
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 Ground/bond container and receiving equipment
 Use explosion-proof electrical/ ventilating/ lighting/ equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Keep cool
 Avoid release to the environment

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 Call a POISON CENTER or doctor if you feel unwell
 If skin irritation or rash occurs: Get medical advice/attention
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove person to fresh air and keep comfortable for breathing
 Call a POISON CENTER or doctor
 IF SWALLOWED: Immediately call a POISON CENTER or doctor
 Do NOT induce vomiting
 Rinse mouth
 In case of fire: Use CO₂, dry chemical, or foam to extinguish
 Collect spillage

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to industrial incineration plant
 Dispose of in accordance with federal, state and local regulations

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

None known

Unknown acute toxicity
Unknown aquatic toxicity

4.5 % of the mixture consists of ingredient(s) of unknown toxicity
48.5 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%	Trade Secret
Xylene	1330-20-7	25 - 35	
Cobalt compounds	Proprietary	20 - 30	00457000-6392
Hydrotreated Heavy Naphtha (Petroleum)	64742-48-9	10 - 20	
N,N-Dimethyltoluidine	99-97-8	5 - 15	
N,N-Dimethylaniline	121-69-7	5 - 15	
Ethylbenzene	100-41-4	5 - 6	

* The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

Eye Contact

Move individual away from exposure. Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.

Inhalation

Move victim to fresh air. Keep warm and quiet. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen. GET IMMEDIATE MEDICAL ATTENTION.

Ingestion

Do NOT induce vomiting. Aspiration hazard. This material may enter the lungs during vomiting. Never give anything by mouth to an unconscious person. GET IMMEDIATE MEDICAL ATTENTION.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. May cause cancer. May cause sensitization by inhalation and skin contact. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous combustion products	Carbon monoxide, Carbon dioxide (CO ₂), Nitrogen oxides (NO _x)
Combustion/Explosion Hazards	Flammable. Vapors may form explosive mixtures with air. Flash back possible over considerable distance. Empty containers may retain product residue (liquid and/or vapor). Do not pressurize, cut, weld, braze, solder, drill, grind, or expose these containers to heat, flame, sparks, static electricity, or other sources of ignition as the container may explode and may cause injury or death. Empty drums should be completely drained and properly banded. Empty drums should be promptly returned to a drum reconditioner or properly disposed. Closed containers may rupture when exposed to extreme heat.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use. Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazard while extinguishing the blaze. DO NOT extinguish a fire resulting from the flow of this flammable liquid until the flow of liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished. Use water spray to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Use personal protective equipment as required. Ensure adequate ventilation. Use non-sparking (non-metallic) tools to clean up spill.
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Environmental Precautions

Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent spilled material from 1) contaminating soil, 2) entering sanitary sewers, storm sewers, and drainage systems, and 3) entering bodies of water or ditches that lead to waterways. Prevent spreading over a wide area (e.g. by containment or oil barriers).
Methods for Clean-up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling	Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation. Remove all sources of ignition. Do not smoke. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. Empty containers may retain product residue (liquid and/or vapor). Do not pressurize, cut, weld, braze, solder, drill, grind, or expose these containers to heat, flame, sparks, static electricity, or other sources of ignition as the container may explode and may cause injury or death. Empty drums should be completely drained and properly banded. Empty drums should be promptly returned to a drum reconditioner or properly disposed.
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Conditions for safe storage, including any incompatibilities

Storage	Keep away from heat, sparks and open flame. - No smoking. Keep containers tightly closed in a dry, cool and well-ventilated place.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

Components with workplace control parameters

Xylene (CAS #: 1330-20-7)

ACGIH TLV	100 ppm TWA 150 ppm STEL A4 Not Classifiable as a Human Carcinogen
OSHA PEL	100 ppm TWA 435 mg/m ³ TWA
Canada - Alberta OELs	150 ppm STEL 651 mg/m ³ STEL 100 ppm TWA 434 mg/m ³ TWA
Canada - Ontario OELs	100 ppm TWA 150 ppm STEL
Canada - British Columbia OELs	100 ppm TWA 150 ppm STEL
Mexico OEL	150 ppm STEL 655 mg/m ³ STEL 100 ppm TWA 435 mg/m ³ TWA

Hydrotreated Heavy Naphtha (Petroleum) (CAS #: 64742-48-9)

Manufacturer's Limit 175 ppm TWA

N,N-Dimethyltoluidine (CAS #: 99-97-8)

AIHA - WEEL 0.5 ppm TWA

N,N-Dimethylaniline (CAS #: 121-69-7)

ACGIH TLV	5 ppm TWA Skin 10 ppm STEL A4 Not Classifiable as a Human Carcinogen
OSHA PEL	5 ppm TWA 25 mg/m ³ TWA (skin)
Canada - Alberta OELs	10 ppm STEL 50 mg/m ³ STEL 5 ppm TWA 25 mg/m ³ TWA Substance may be readily absorbed through intact skin
Canada - Ontario OELs	5 ppm TWA 10 ppm STEL (skin)
Canada - British Columbia OELs	5 ppm TWA 10 ppm STEL (skin)
NIOSH IDLH	100 ppm
Mexico OEL	10 ppm STEL 50 mg/m ³ STEL 5 ppm TWA 25 mg/m ³ TWA (skin)

Ethylbenzene (CAS #: 100-41-4)

ACGIH TLV	20 ppm TWA A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans
OSHA PEL	100 ppm TWA 435 mg/m ³ TWA
Canada - Alberta OELs	125 ppm STEL 543 mg/m ³ STEL 100 ppm TWA 434 mg/m ³ TWA

Canada - Ontario OELs	100 ppm TWA 125 ppm STEL
Canada - British Columbia OELs	20 ppm TWA
NIOSH IDLH	800 ppm
Mexico OEL	125 ppm STEL 545 mg/m ³ STEL 100 ppm TWA 435 mg/m ³ TWA

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

TLV® (Threshold Limit Value)

TWA (time-weighted average)

STEL - Short Term Exposure Limit

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

OEL - Occupational Exposure Limit

AIHA - American Industrial Hygiene Association

WEEL - Workplace Environmental Exposure Level

SKIN: Skin Absorption

NIOSH - National Institute for Occupational Safety and Health

IDLH - Immediately Dangerous to Life or Health

Appropriate engineering controls**Engineering Controls**

Use general ventilation to maintain airborne concentrations to levels that are below regulatory and recommended occupational exposure limits. Local ventilation may be required during certain operations. Use explosion-proof electrical equipment.

Individual protection measures, such as personal protective equipment**Eye/face Protection**

Safety glasses with side-shields. If splashes are likely to occur. Tight sealing safety goggles. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection

Gloves made of polyethylene-ethylene vinyl alcohol-polyethylene laminate. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Chemical resistant apron. Boots.

Respiratory Protection

None required if hazards have been assessed and airborne concentrations are maintained below the exposure limits listed in Section 8. Wear an approved air-purifying respirator with organic vapor cartridges where airborne concentrations may exceed exposure limits in Section 8. Use an approved positive-pressure air-supplied respirator with emergency escape provisions if there is any potential for an uncontrolled release, airborne concentrations are not known, or any other circumstances where air-purifying respirators may not provide adequate protection

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Violet
Odor	Characteristic
Odor Threshold	20 ppm (Xylene)
Physical State	Liquid
pH	No information available
Flash Point	32 °C / 90 °F
Flash Point Method:	Seta closed cup
Autoignition Temperature	445°F - 980°F / 229°C - 527°C
Boiling point / boiling range	279°F - 412°F / 137°C - 211°C
Melting point / Freezing point	No information available
Flammability Limit in Air	
Lower	1.1%

Upper	7.0%
Specific Gravity	0.9 - 0.98 @ 25°C
Solubility	Insoluble (Water)
Evaporation rate	No information available
Vapor Pressure	0.075 - 9 mmHg @ 68°F/20°C
Vapor Density	No information available
Explosive properties	No information available
Oxidizing Properties	No information available
Percent Volatile, wt. %	72 - 76 % by weight
VOC Content:	693 g/l (calculated) product as supplied
Viscosity	Not available
Partition Coefficient (n-octanol/water)	No information available
Decomposition temperature	No information available

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep away from open flames, hot surfaces and sources of ignition. Contamination.

Incompatible materials

Strong oxidizing agents. Strong acids. Halogens. Reducing agents.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons. Nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Primary Routes of Entry Skin Contact, Ingestion, Inhalation, Eye contact, Skin absorption

Acute toxicity

Xylene

Oral LD50	= 4300 mg/kg (Rat)
	= 4820 mg/kg (Rat)
Dermal LD50	> 1700 mg/kg (Rabbit)
	> 2000 mg/kg (Rabbit)

Hydrotreated Heavy Naphtha (Petroleum)

Oral LD50	> 5000 mg/kg (Rat)
Dermal LD50	> 3160 mg/kg (Rabbit)

N,N-Dimethyltoluidine

Oral LD50	= 1650 mg/kg (Rat)
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N,N-Dimethylaniline

Oral LD50	= 700 mg/kg (Rat)
Dermal LD50	= 1770 mg/kg (Rabbit)

Ethylbenzene

Oral LD50	= 3500 mg/kg (Rat)
	= 4820 mg/kg (Rat)
Dermal LD50	= 15354 mg/kg (Rabbit)
	> 2000 mg/kg (Rabbit)

Information on toxicological effects

Symptoms Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness,

cessation of breathing.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eyes	Causes serious eye irritation.
Skin	Harmful in contact with skin. May be absorbed through the skin in harmful amounts. May cause cyanosis. Repeated exposure may cause skin dryness or cracking. May cause sensitization by skin contact. Causes skin irritation.
Inhalation	Toxic by inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhalation of high vapor concentrations can cause central nervous system depression and narcosis. Irritating to respiratory system.
Ingestion	Harmful if swallowed. Ingestion (swallowing) may irritate the mouth, throat and stomach. Aspiration hazard if swallowed - can enter lungs and cause damage. Aspiration into lungs may cause chemical pneumonia and lung damage. Ingestion is not an anticipated route of exposure for this material in industrial use.
Irritation	Irritating to eyes, respiratory system and skin.
Sensitization	May cause an allergic skin reaction. May cause allergic respiratory reaction.
Repeated dose toxicity	Repeated overexposure to xylene via the inhalation route, has caused a hearing loss in laboratory animals.
Mutagenic effects	No information available.
Carcinogenicity	Potential cancer hazard.
<u>Xylene</u>	
ACGIH	A4 - Not Classifiable as a Human Carcinogen
<u>Cobalt compounds</u>	
IARC	Group 2B - Possibly Carcinogenic to Humans
<u>N,N-Dimethylaniline</u>	
ACGIH	A4 - Not Classifiable as a Human Carcinogen
<u>Ethylbenzene</u>	
ACGIH	A3 - Animal Carcinogen
IARC	Group 2B - Possibly Carcinogenic to Humans
Legend	<i>ACGIH (American Conference of Governmental Industrial Hygienists)</i> <i>IARC - International Agency for Research on Cancer</i> <i>NTP - National Toxicology Program</i>
Reproductive Toxicity	No information available.
Developmental Toxicity	High exposures to xylene in some animal studies have been reported to cause health effects on the developing embryo/fetus. These effects were often at levels toxic to the mother. The significance of these findings to humans has not been determined. Ethyl Benzene has been shown to be fetotoxic in laboratory animals at maternally toxic levels.
Neurological Effects	No information available.
STOT - single exposure	Respiratory system.
STOT - repeated exposure	No information available.
Target organ(s)	Central nervous system (CNS), Kidney, Liver, Blood, Eyes, Spleen, Central Vascular System (CVS), Lungs.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 4.5 % of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	473 mg/kg
ATEmix (dermal)	1013 mg/kg mg/L
ATEmix (inhalation-vapor)	10 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Xylene

Log Kow	2.77 - 3.15
Bioconcentration factor (BCF)	0.6 - 15
Algae	EC50 = 11 mg/L (Pseudokirchneriella subcapitata) (72h)
Fish	LC50 = 13.4 mg/L (Pimephales promelas) (96 h) flow-through LC50 2.661 - 4.093 mg/L (Oncorhynchus mykiss) (96 h) static LC50 13.5 - 17.3 mg/L (Oncorhynchus mykiss) (96 h) LC50 13.1 - 16.5 mg/L (Lepomis macrochirus) (96 h) flow-through LC50 = 19 mg/L (Lepomis macrochirus) (96 h) LC50 7.711 - 9.591 mg/L (Lepomis macrochirus) (96 h) static LC50 23.53 - 29.97 mg/L (Pimephales promelas) (96 h) static LC50 = 780 mg/L (Cyprinus carpio) (96 h) semi-static LC50 > 780 mg/L (Cyprinus carpio) (96 h)
Water Flea	LC50 30.26 - 40.75 mg/L (Poecilia reticulata) (96 h) static EC50 = 3.82 mg/L 48 h LC50 = 0.6 mg/L 48 h

Cobalt compounds

Algae	EC50 = 0.639 mg/L
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Hydrotreated Heavy Naphtha (Petroleum)

Fish	LC50 = 2200 mg/L (Pimephales promelas) (96 h)
Water Flea	LC50 = 2.6 mg/L 96 h

N,N-Dimethyltoluidine

Log Kow	2.81
Fish	LC50 42 - 50.5 mg/L (Pimephales promelas) (96 h) flow-through

N,N-Dimethylaniline

Log Kow	2.278
Bioconcentration factor (BCF)	4.7 - 13.6
Fish	LC50 = 52.6 mg/L (Pimephales promelas) (96 h) flow-through LC50 = 65.6 mg/L (Pimephales promelas) (96 h) LC50 = 53.7 mg/L (Poecilia reticulata) (96 h) semi-static LC50 = 51.1 mg/L (Brachydanio rerio) (96 h) semi-static LC50 0.183 - 0.186 mg/L (Brachydanio rerio) (96 h)
Water Flea	EC50 = 5 mg/L 48 h

Ethylbenzene

Log Kow	3.118
Bioconcentration factor (BCF)	15 fish
Algae	EC50 = 4.6 mg/L (Pseudokirchneriella subcapitata) (72h) EC50 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) (72h) EC50 = 11 mg/L (Pseudokirchneriella subcapitata) (72h)
Fish	LC50 11.0 - 18.0 mg/L (Oncorhynchus mykiss) (96 h) static LC50 = 4.2 mg/L (Oncorhynchus mykiss) (96 h) semi-static LC50 7.55 - 11 mg/L (Pimephales promelas) (96 h) flow-through LC50 = 32 mg/L (Lepomis macrochirus) (96 h) static LC50 9.1 - 15.6 mg/L (Pimephales promelas) (96 h) static LC50 = 9.6 mg/L (Poecilia reticulata) (96 h) static
Water Flea	EC50 1.8 - 2.4 mg/L 48 h

Unknown aquatic toxicity

48.5 % of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Disposal Considerations**

RCRA HAZARDOUS WASTE: This material and containers that are not empty, if discarded, would be regulated as a hazardous waste under RCRA. Treatment and/or disposal must be completed at a RCRA-permitted Treatment, Storage and Disposal Facility (TSD). The storage and transportation of RCRA hazardous wastes are also regulated by the USEPA. Can be incinerated, when in compliance with local regulations.

Contaminated packaging

"Empty containers", as defined under 40 CFR 261.7 or other applicable state or provincial regulations or transportation regulations, are not classified as hazardous wastes.

US EPA Waste Number

D001 (IGNITABLE): When discarded in its purchased form, this material would be regulated under 40 CFR 261.21 as EPA Hazardous Waste Number D001 based on the characteristic of ignitability.

14. TRANSPORT INFORMATION

DOT

UN-No	UN2929
Proper Shipping Name	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.
Technical Name:	N,N-DIMETHYLANILINE XYLENE
Hazard Class	6.1
Subsidiary Class	3
Packing Group	II
NAERG:	131

TDG

UN-No	UN2929
Proper Shipping Name	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.
Technical Name:	N,N-DIMETHYLANILINE XYLENE
Hazard Class	CLASS 6.1
Subsidiary Class	3
Packing Group	PG II
NAERG:	131

MEX

UN-No	UN2929
Proper Shipping Name	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.
Hazard Class	6.1
Subsidiary Class	3
Packing Group	PG II
NAERG:	131

IATA

UN-No	UN2929
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Proper Shipping Name
Technical Name: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.
 N,N-DIMETHYLANILINE
 XYLENE
Hazard Class 6.1
Subsidiary Class 3
Packing Group II
Packing Instructions 654; 662
NAERG: 131

IMDG/IMO

UN-No UN2929
Proper Shipping Name
Technical Name: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.
 N,N-DIMETHYLANILINE
 XYLENE
Hazard Class CLASS 6.1
Subsidiary Class 3
Packing Group PG II
EmS-No F-E, S-D
Marine Pollutant COBALT BIS (2-ETHYLHEXANOATE)
NAERG: 131

15. REGULATORY INFORMATION

International Inventories

TSCA Inventory Status: All components of this material are listed on the US Toxic Substances Control Act (TSCA) inventory.

Canadian Inventory Status: All components of this material are listed on the Canadian Domestic Substances List (DSL)

Australian Inventory Status: This product contains only chemicals which are currently listed on the Australian Inventory of Chemical Substances

Korean Inventory Status: This product contains only chemicals which are currently listed on the Korean Chemical Substances List

Philippine Inventory: This product contains only chemicals that are currently listed on the Philippine Inventory of Chemicals and Chemical Substances

Japan ENCS: This product contains one or more chemicals currently not on the Japanese Inventory of Existing and New Chemical Substances

Chinese IECS: This product contains only chemicals that are currently listed on the Chinese Inventory of Existing Chemical Substances

New Zealand Inventory: This product contains only chemicals which are currently listed on the New Zealand Inventory of Chemicals

US Federal Regulations**TSCA 12(b) - Export Notification:**

This material does not contain any components that are subject to the US Toxic Substances Control Act (TSCA) Section 12(b) Export Notification requirements.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	CAS No	Weight-%	SARA 313 Status
Xylene	1330-20-7	25 - 35	Listed
Cobalt compounds		20 - 30	Listed
N,N-Dimethylaniline	121-69-7	5 - 15	Listed
Ethylbenzene	100-41-4	5 - 6	Listed

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following listed substances:

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb			Listed
Ethylbenzene 100-41-4	1000 lb	Listed	Listed	Listed

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

Component	CAS No	Weight-%	HAPS data
Xylene	1330-20-7	25 - 35	Listed
Cobalt compounds		20 - 30	Listed
N,N-Dimethylaniline	121-69-7	5 - 15	Listed
Ethylbenzene	100-41-4	5 - 6	Listed

CERCLA

This product contains the following reportable quantities:

Component	40 CFR 302.4 RQ	40 CFR 355 EHS TPQs
Xylene	100 lb	
	45.4 kg	
N,N-Dimethylaniline	100 lb	
	45.4 kg	
Ethylbenzene	1000 lb	
	454 kg	

Chemical Weapons Convention (CWC)

This product does not contain any listed substances.

State Regulations**California Proposition 65**

WARNING: This material contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. The California Safe Drinking Water and Toxic Enforcement Act of 1986 requires that clear and reasonable warning be given prior to exposing any person to this chemical.

Canada

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. OTHER INFORMATION

NFPA Rating

Health 3

Flammability 3

Instability 0

Prepared By

Reichhold Product Regulatory Department
Phone Number: 919-990-7500

Revision Date

09/Feb/2016

Revision Summary: General update
This data sheet contains changes from the previous version in section(s):
1, 2, 3, 4, 9, 11, 12, 14

Former date 31 March 2015

This information is provided in good faith and is correct to the best of Reichhold's knowledge as of the date hereof and is designed to assist our customers; however, Reichhold makes no representation as to its completeness or accuracy. Our products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy themselves as to suitability for their specific applications. Any use which Reichhold customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. Reichhold disclaims responsibility for damages, or liability, of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL REICHHOLD BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

End of Safety Data Sheet