

# MATERIAL SAFETY DATA SHEET

## 866-0488 CHROMA-CHEM® QUINACRIDONE MAGENTA



Material no.		Version	1.21 / US
Specification	139697	Revision date	11/25/2009
Order Number		Print Date	01/17/2010
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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product information

Trade name	:	866-0488 CHROMA-CHEM® QUINACRIDONE MAGENTA
Use of the Substance / Preparation	:	Non-aqueous colorant
Company	:	Evonik Degussa Corporation 379 Interpace Parkway Parsippany, NJ 07054 USA
Telephone	:	973-541-8000
Telefax	:	973-541-8040
US: CHEMTREC EMERGENCY NUMBER	:	800-424-9300
CANADA: CANUTEC EMERGENCY NUMBER	:	613-996-6666
Product Regulatory Services	:	973-541-8060

### 2. HAZARDS IDENTIFICATION

#### \*\*\* EMERGENCY OVERVIEW \*\*\*

*Form-paste*    *Color-Magenta.*    *Odor-Petroleum distillate odor.*

May cause eye, skin and respiratory tract irritation.  
Flammable liquid and vapor.

#### POTENTIAL HEALTH EFFECTS

##### Eye contact

According to test results on similar colorant base mixtures, this product is classified as a moderate eye irritant. May cause tearing, reddening and/or swelling.

##### Skin Contact

Possibly irritating.  
Prolonged or repeated contact may result in defatting and drying of the skin causing skin irritation and dermatitis (rash).

##### Inhalation

Possibly irritating.  
Excessive inhalation of solvent vapors may cause nasal and respiratory irritation and central nervous system effects including dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even death.

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**Ingestion**

May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**Target Organs**

Vapors may cause liver and kidney effects according to animal testing.

**Chronic Health Hazard**

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

Toluene may be harmful to the fetus based on laboratory animal studies. Intentional misuse by deliberate inhalation of toluene has been associated with liver, kidney and brain damage in humans. Overexposure to this material has apparently been found to cause the following effects in laboratory animals: Liver abnormalities, kidney damage, nasal damage, brain damage and high frequency hearing loss.

High concentrations (0.1 to 0.2% in air) of ethyl benzene will irritate eyes, mucous membrane and respiratory tract, and will cause dizziness and a sense of constriction of the chest.

Suppliers of xylene have reported that high levels of exposure to xylene in some animal studies were reported to have affected the development of the embryo/fetus. These effects were often at levels which are toxic to the mother. The significance of these findings to human exposure has not been determined, particularly the exposure to the low levels of xylene found in this product.

There is some evidence that high exposure to n-butyl acetate vapors or mist causes abnormal development in animal studies.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS****Information on ingredients / Hazardous components**

n-butyl acetate			
CAS-No.	123-86-4	Percent (Wt./ Wt.)	1 - 5 %
toluene			
CAS-No.	108-88-3	Percent (Wt./ Wt.)	1 - 5 %
Stoddard solvent; Low boiling point naphtha - unspecified			
CAS-No.	8052-41-3	Percent (Wt./ Wt.)	10 - 30 %
NJTSR No.56705700001-5043P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	1 - 5 %
Distillates (petroleum), hydrotreated light; Kerosine - unspecified			
CAS-No.	64742-47-8	Percent (Wt./ Wt.)	1 - 5 %
NJTSR No.56705700001-5704P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	1 - 5 %
ethylbenzene			
CAS-No.	100-41-4	Percent (Wt./ Wt.)	0.01 - 1 %
xylene			
CAS-No.	1330-20-7	Percent (Wt./ Wt.)	1 - 5 %
2-methylpropan-1-ol; iso-butanol			
CAS-No.	78-83-1	Percent (Wt./ Wt.)	1 - 5 %
Solvent naphtha (petroleum), light aliph.; Low boiling point naphtha			
CAS-No.	64742-89-8	Percent (Wt./ Wt.)	1 - 5 %
butan-1-ol; n-butanol			

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CAS-No.	71-36-3	Percent (Wt./ Wt.)	1 - 5 %
isobutyl acetate			
CAS-No.	110-19-0	Percent (Wt./ Wt.)	1 - 5 %
Ligroine; Low boiling point naphtha			
CAS-No.	8032-32-4	Percent (Wt./ Wt.)	1 - 5 %

### Other information

This material is classified as hazardous under OSHA regulations.

## 4. FIRST AID MEASURES

### Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

### Skin contact

Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If symptoms develop or persist, obtain medical attention. Wash clothing before reuse.

### Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.

### Ingestion

Aspiration of material into the lungs may cause chemical pneumonitis (damage to lungs) which may be fatal.

If swallowed, do NOT induce vomiting. Have victim drink 8-10 ounces of water to dilute material in stomach. Get medical attention immediately. Never give anything by mouth to an unconscious person.

## 5. FIRE-FIGHTING MEASURES

Flash point 27.78 °C , 82 °F  
Method: Pensky-Martens C.C.

OSHA Flammability Classification Flammable liquid

### Suitable extinguishing media

Use water spray or fog, foam, dry chemical or CO2.

### Specific hazards during fire fighting

Flammable liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.

### Further information

Containers can build up pressure if exposed to heat (fire). Cool with water spray. As in any fire, wear self-contained, pressure-demand breathing apparatus (MSHA-NIOSH approved or equivalent) and full protective gear.

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### 6. ACCIDENTAL RELEASE MEASURES

#### Additional advice

Absorb spill with inert material, then place in a chemical waste container. After removal, flush contaminated area with water and collect for disposal. Clean up spills immediately. Remove sources of ignition and ventilate area. Use a respirator and other protective equipment as outlined in Section 8. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

### 7. HANDLING AND STORAGE

#### Handling

##### Safe handling advice

Keep away from heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. The need for grounding and bonding of containers in accordance with OSHA 29 CFR 1910.106 and NFPA 77 should be assessed for all product transfers. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash thoroughly after handling.

#### Storage

##### Requirements for storage areas and containers

Keep in a dry, cool place.

Keep container closed when not in use.

Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Component occupational exposure guidelines

##### • n-butyl acetate

CAS-No. 123-86-4

Control parameters 150 ppm  
200 ppm

Time Weighted Average (TWA):(ACGIH)  
Short Term Exposure Limit  
(STEL):(ACGIH)  
PEL:(OSHA Z1)

150 ppm  
710 mg/m<sup>3</sup>

150 ppm  
710 mg/m<sup>3</sup>

Time Weighted Average (TWA)  
Permissible Exposure Limit (PEL):(US CA  
OEL)  
Short Term Exposure Limit (STEL):(US CA  
OEL)

200 ppm  
950 mg/m<sup>3</sup>

##### • toluene

CAS-No. 108-88-3

20 ppm  
200 ppm  
300 ppm  
500 ppm

Time Weighted Average (TWA):(ACGIH)  
Time Weighted Average (TWA):(OSHA Z2)  
Ceiling Limit Value:(OSHA Z2)  
Maximum concentration:(OSHA Z2)

Short-time value 10 minutes

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50 ppm  
188 mg/m3

Time Weighted Average (TWA)  
Permissible Exposure Limit (PEL):(US CA OEL)

500 ppm  
150 ppm  
560 mg/m3

Ceiling Limit Value:(US CA OEL)  
Short Term Exposure Limit (STEL):(US CA OEL)  
Skin designation:(US CA OEL)

Can be absorbed through the skin.

- **Stoddard solvent; Low boiling point naphtha - unspecified**

CAS-No. 8052-41-3  
100 ppm  
500 ppm  
2900 mg/m3  
100 ppm  
525 mg/m3

Time Weighted Average (TWA):(ACGIH)  
PEL:(OSHA Z1)  
  
Time Weighted Average (TWA)  
Permissible Exposure Limit (PEL):(US CA OEL)

- **ethylbenzene**

CAS-No. 100-41-4  
100 ppm  
125 ppm  
  
100 ppm  
435 mg/m3  
100 ppm  
435 mg/m3  
  
125 ppm  
545 mg/m3

Time Weighted Average (TWA):(ACGIH)  
Short Term Exposure Limit (STEL):(ACGIH)  
PEL:(OSHA Z1)  
  
Time Weighted Average (TWA)  
Permissible Exposure Limit (PEL):(US CA OEL)  
Short Term Exposure Limit (STEL):(US CA OEL)

- **xylene**

CAS-No. 1330-20-7  
100 ppm  
435 mg/m3  
100 ppm  
150 ppm  
  
100 ppm  
435 mg/m3  
  
300 ppm  
150 ppm  
655 mg/m3

PEL:(OSHA Z1)  
  
Time Weighted Average (TWA):(ACGIH)  
Short Term Exposure Limit (STEL):(ACGIH)  
Time Weighted Average (TWA)  
Permissible Exposure Limit (PEL):(US CA OEL)  
Ceiling Limit Value:(US CA OEL)  
Short Term Exposure Limit (STEL):(US CA OEL)

- **2-methylpropan-1-ol; iso-butanol**

CAS-No. 78-83-1  
50 ppm  
100 ppm  
300 mg/m3  
50 ppm  
150 mg/m3

Time Weighted Average (TWA):(ACGIH)  
PEL:(OSHA Z1)  
  
Time Weighted Average (TWA)  
Permissible Exposure Limit (PEL):(US CA OEL)

- **butan-1-ol; n-butanol**

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CAS-No.	71-36-3	Time Weighted Average (TWA):(ACGIH)
	20 ppm	PEL:(OSHA Z1)
	100 ppm	
	300 mg/m3	
	50 ppm	Ceiling Limit Value:(US CA OEL)
	150 mg/m3	
	Can be absorbed through the skin.	Skin designation:(US CA OEL)

### • isobutyl acetate

CAS-No.	110-19-0	Time Weighted Average (TWA):(ACGIH)
	150 ppm	PEL:(OSHA Z1)
	150 ppm	
	700 mg/m3	
	150 ppm	Time Weighted Average (TWA)
	700 mg/m3	Permissible Exposure Limit (PEL):(US CA OEL)

### Other information

Exposure values for mineral spirits (CAS Nr 8052-41-3) are given as Stoddard solvent.  
Exposure values for Aliphatic petroleum distillates (CAS nr 64742-47-8) are given as Stoddard solvent.

### Engineering measures

Use process enclosures, local exhaust ventilation or other engineering controls to control airborne exposure.  
Use explosion-proof ventilation equipment.

### Personal protective equipment

#### Respiratory protection

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

#### Hand protection

Use impermeable gloves.

#### Eye protection

Chemical resistant goggles must be worn.

#### Skin and body protection

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

A safety shower and eye wash fountain should be readily available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	paste
Color	Magenta.
Odor	Petroleum distillate odor.

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physical state                      Liquid.

**Safety data**Flash point                              27.78 °C  
Method: Pensky-Martens C.C.

Relative density                        1

Solubility/qualitative                Solubility in water: Slight.

Viscosity, dynamic                    95 - 110 KU (25 °C)

Solvents and Volatiles Data  
  % VOC (gm/l)                              363

Evaporation rate                        Slower than butyl acetate

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**10. STABILITY AND REACTIVITY**

Conditions to avoid                    Avoid high temperatures and sources of ignition.

Materials to avoid                      oxidizing substances

Hazardous decomposition products   Not applicable.

Further information                    Stable under normal conditions.

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**11. TOXICOLOGICAL INFORMATION**Component Acute oral toxicity    n-butyl acetate  
123-86-4  
LD50 Rat: 10768 mg/kgtoluene  
108-88-3  
LD50 Rat: 5000 mg/kgStoddard solvent; Low boiling point naphtha - unspecified  
8052-41-3  
LD50 Rat: > 5000 mg/kgNJTSR No.56705700001-5043P  
Trade Secret  
LD50 Rat: 3000 mg/kgDistillates (petroleum), hydrotreated light; Kerosine - unspecified  
64742-47-8  
LD50 Rat: > 15000 mg/kg

NJTSR No.56705700001-5704P

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Trade Secret  
LD50 Rat: 5700 mg/kg

ethylbenzene  
100-41-4  
LD50 Rat: 3500 mg/kg

xylene  
1330-20-7  
LD50 Rat: 3523 mg/kg

2-methylpropan-1-ol; iso-butanol  
78-83-1  
LD50 Rat: 2500 mg/kg

butan-1-ol; n-butanol  
71-36-3  
LD50 Rat: 2460 mg/kg

isobutyl acetate  
110-19-0  
LD50 Rat: 13400 mg/kg

Ligroine; Low boiling point naphtha  
8032-32-4  
LD50 Rat: 5000 - 15000 mg/kg

Component Acute inhalation  
toxicity

Stoddard solvent; Low boiling point naphtha - unspecified  
8052-41-3  
LC50 Rat: > 5500 mg/m<sup>3</sup> / 4 h

Distillates (petroleum), hydrotreated light; Kerosine - unspecified  
64742-47-8  
LC50 Rat: > 14100 mg/m<sup>3</sup> / 4 h

Component Acute dermal toxicity

n-butyl acetate  
123-86-4  
LD50 Rabbit: > 20000 mg/kg

toluene  
108-88-3  
LD50 Rabbit: 12124 mg/kg

Stoddard solvent; Low boiling point naphtha - unspecified  
8052-41-3  
LD50 Rabbit: > 3000 mg/kg

NJTSR No.56705700001-5043P  
Trade Secret  
LD50 Rabbit: 4400 mg/kg

Distillates (petroleum), hydrotreated light; Kerosine - unspecified  
64742-47-8  
LD50 Rabbit: > 2000 mg/kg



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ethylbenzene  
100-41-4  
LD50 Rabbit: 5000 mg/kg

xylene  
1330-20-7  
LD50 Rabbit: > 4300 mg/kg

2-methylpropan-1-ol; iso-butanol  
78-83-1  
LD50 Rabbit: 3400 mg/kg

butan-1-ol; n-butanol  
71-36-3  
LD50 Rabbit: 4200 mg/kg

isobutyl acetate  
110-19-0  
LD50 Rabbit: > 20000 mg/kg

Component Eye irritation  
n-butyl acetate  
123-86-4  
Rabbit  
highly irritative  
Method: literature

Component carcinogenicity  
assessment  
ethylbenzene  
100-41-4  
Contains a component which is classified as an IARC 2B carcinogen  
(possibly carcinogenic to humans).

Component Teratogenicity  
n-butyl acetate  
123-86-4  
There is some evidence that high exposure to n-butyl acetate vapors or  
mist causes abnormal development in animal studies.

xylene  
1330-20-7  
inhalative Rat: in maternally non-toxic doses  
NOAEL (No Observed Adverse Effect Level) teratogenesis: 2.165 mg/l Method:  
OECD TG 414  
Suppliers of xylene have reported that high levels of exposure to xylene in  
some animal studies were reported to have affected the development of  
the embryo/fetus. These effects were often at levels which are toxic to the  
mother. The significance of these findings to human exposure has not  
been determined, particularly the exposure to the low levels of xylene  
found in this product.

Component teratogenicity  
assessment  
toluene  
108-88-3  
Toluene may be harmful to the fetus based on laboratory animal studies.  
Intentional misuse by deliberate inhalation of toluene has been associated  
with liver, kidney and brain damage in humans. Overexposure to this

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material has apparently been found to cause the following effects in laboratory animals: Liver abnormalities, kidney damage, nasal damage, brain damage and high frequency hearing loss.

xylene  
1330-20-7  
Potential embryo-foetal toxicity and teratogenicity.

Component General Toxicity Information

xylene  
1330-20-7  
Overexposure to xylene has been suggested as a cause of the following effects in laboratory animals and may aggravate pre-existing disorders of these organs in humans: kidney damage; mild, reversible liver effects; effects on hearing and cardiac sensitization.

## 12. ECOLOGICAL INFORMATION

General Ecological Information No ecotoxicological studies are available.

## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL

Advice on disposal

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.  
CONTAINER DISPOSAL: Empty containers by removing the top and inverting to allow all free-flowing product to drain. To meet regulatory criteria, the container is considered empty when less than 3% remains in the container. Additional special handling is not typically required and the empty container can be discarded with other non-hazardous trash. Note: Local disposal regulations may be more stringent and require additional restrictions or precautions. Customers should check with their local disposal company, municipal or state authority. Recycle of plastic or metal containers may require clean rather than empty containers. In this case the containers can be rinsed with mineral spirits until the containers are considered generally product free.

## 14. TRANSPORT INFORMATION

### D.O.T. Road/Rail

Class	3
UN-No	1263
Packing group	III
Proper shipping name	Paint related material

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**Sea transport IMDG-Code**

Class	3
UN-No	1263
Packaging group	III
EmS	F-E, S-E

Proper technical name (Proper shipping name)  
PAINT RELATED MATERIAL

**Air transport ICAO-TI/IATA-DGR**

Class	3
UN-No	1263
Packaging group	III

Proper technical name (Proper shipping name)  
Paint related material

**Loading instructions/Remarks**

IATA_C	ERG-Code 3L
IATA_P	ERG-Code 3L

**15. REGULATORY INFORMATION****Information on ingredients / Non-hazardous components**

This product contains the following non-hazardous components

NJTSR No.56705700001-5730P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	10 - 30 %
NJTSR No.56705700001-5239P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	30 - 60 %

**US Federal Regulations****OSHA**

If listed below, chemical specific standards apply to the product or components:

- None listed

**Clean Air Act Section (112)**

If listed below, components present at or above the de minimus level are hazardous air pollutants:

- toluene  
CAS-No. 108-88-3
- ethylbenzene  
100-41-4
- xylene  
1330-20-7

**CERCLA Reportable Quantities**

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

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- xylene  
CAS-No. 1330-20-7  
Reportable Quantity 5660 lbs

### SARA Title III Section 311/312 Hazard Categories

The product meets the criteria only for the listed hazard classes:

- Acute Health Hazard
- Chronic Health Hazard
- Fire Hazard

### SARA Title III Section 313 Reportable Substances

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- toluene  
CAS-No. 108-88-3
- ethylbenzene  
CAS-No. 100-41-4
- xylene  
CAS-No. 1330-20-7

### Toxic Substances Control Act (TSCA)

If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:

- None listed

### State Regulations

#### California Proposition 65

A warning under the California Drinking Water Act is required only if listed below:

WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

- toluene  
CAS-No. 108-88-3

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## International Chemical Inventory Status

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below. For information on listing for countries not shown, contact the Product Regulatory Services Department.

• Europe (EINECS/ELINCS)	Listed/registered
• USA (TSCA)	Listed/registered
• Canada (DSL)	Listed/registered
• Australia (AICS)	Listed/registered
• Japan (MITI)	Not listed/Not registered
• Korea (TCCL)	Not listed/Not registered
• Philippines (PICCS)	Not listed/Not registered
• China	Not listed/Not registered

## 16. OTHER INFORMATION

### HMIS Ratings

Health :	2*
Flammability :	3
Physical Hazard :	0

### Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

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