

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## DM Black 01 R

Revision date: 17.07.2017

Product code: DMBlackR

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

#### 1.1. Product identifier

DM Black 01 R

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Colouring agent, dyestuff

#### 1.3. Details of the supplier of the safety data sheet

Company name: DyeMansion GmbH  
 Street: Robert-Koch-Str. 1  
 Place: D-82152 Planegg  
 Telephone: 0049(0)89/414170500  
 e-mail: hallo@dyemansion.de  
 Contact person: Philipp Kramer  
 e-mail: philipp@dyemansion.de  
 Internet: www.dyemansion.de  
 Responsible Department: Philipp Kramer  
 Produktion

#### 1.4. Emergency telephone number:

0049(0)17661697028

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

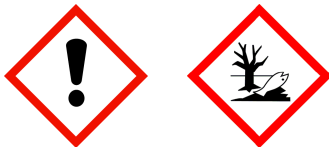
##### Hazard components for labelling

Trisodium bis[3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(3-)

Disodium [N-(2-chlorophenyl)-2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxobutyramidato(2-)] [3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(2-)

Signal word: Warning

Pictograms:



##### Hazard statements

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.

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H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P337+P313 If eye irritation persists: Get medical advice/attention.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P280 Wear protective gloves.  
 P273 Avoid release to the environment.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P202 Do not handle until all safety precautions have been read and understood.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
70236-55-4	disodium [1-[(2-hydroxy-3,5-dinitrophenyl)azo]-2-naphtholato(2-)] [3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(2-) CAS NO.70236-55-4	20 - < 25 %
	274-487-5	
	Aquatic Chronic 2; H411	
57693-14-8	Trisodium bis[3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(3-)	20 - < 25 %
	260-906-9	
	Chem. Unst. Gas A, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H230 H319 H317 H411	
64-19-7	Acetic acid	15 - < 20 %
	200-580-7	
	607-002-00-6	
	Flam. Liq. 3, Skin Corr. 1A; H226 H314	
68607-23-8	Quaternary ammonium compounds, C18-22-alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts)	1 - < 5 %
	Aquatic Chronic 2; H411	
72403-66-8	Disodium [N-(2-chlorophenyl)-2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxobutyramidato(2-)] [3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(2-)	1 - < 5 %
	276-649-0	
	Aerosol 1, Skin Sens. 1, Aquatic Chronic 2; H222 H317 H411	
67785-16-4	Amines, tallow alkyl, ethoxylated, sulfates, ammonium salts	1 - < 5 %
	Eye Irrit. 2, Aquatic Chronic 2; H319 H411	

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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**After inhalation**

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

**After contact with skin**

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**5.2. Special hazards arising from the substance or mixture**

Non-flammable.

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

No special measures are necessary.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**7.2. Conditions for safe storage, including any incompatibilities**

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### Requirements for storage rooms and vessels

Keep container tightly closed.

### Advice on storage compatibility

No special measures are necessary.

### 7.3. Specific end use(s)

Colouring agent, dyestuff

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
64-19-7	Acetic acid	10	25		TWA (8 h)	EU
		15	37		STEL (15 min)	EU

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
57693-14-8	Trisodium bis[3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(3-)			
Worker DNEL, long-term		inhalation		24,5 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation		24,5 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal		27,78 mg/kg bw/day
Worker DNEL, acute		dermal		low
Consumer DNEL, long-term		inhalation		14,7 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation		low
Consumer DNEL, long-term		dermal		16,7 mg/kg bw/day
Consumer DNEL, long-term		oral		8,33 mg/kg bw/day

### 8.2. Exposure controls



#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Eye/face protection

Suitable eye protection: goggles.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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### Skin protection

Wear suitable protective clothing.

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	black
Odour:	Acetic acid

#### Test method

pH-Value:	not determined
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### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not determined

### Flammability

Solid:	not applicable
Gas:	not applicable

### Explosive properties

The study does not need to be conducted for explosives.

Lower explosion limits:	not determined
Upper explosion limits:	not determined

### Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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### Oxidizing properties

Not oxidizing.

Vapour pressure:	not determined
Density:	not determined
Water solubility:	easily soluble

### Solubility in other solvents

not determined

Partition coefficient:	not determined
Vapour density:	not determined
Evaporation rate:	not determined

### 9.2. Other information

Solid content:	not determined
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

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The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

#### **10.4. Conditions to avoid**

none

#### **10.5. Incompatible materials**

No information available.

#### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
70236-55-4	disodium [1-[(2-hydroxy-3,5-dinitrophenyl)azo]-2-naphtholato(2-)] [3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(2-) CAS NO.70236-55-4				
	oral	LD50 mg/kg	8000		
57693-14-8	Trisodium bis[3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(3-)				
	oral	LD50 mg/kg	2000	Ratte	
64-19-7	Acetic acid				
	oral	LD50 mg/kg	3310	Rat	GESTIS

##### **Additional information on tests**

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

### SECTION 12: Ecological information

#### **12.1. Toxicity**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
70236-55-4	disodium [1-[(2-hydroxy-3,5-dinitrophenyl)azo]-2-naphtholato(2-)] [3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(2-) CAS NO.70236-55-4					
	Acute fish toxicity	LC50 mg/l	0,66	96 h		
	Acute crustacea toxicity	EC50	10 mg/l	48 h		
57693-14-8	Trisodium bis[3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(3-)					
	Acute fish toxicity	LC50	3 mg/l	96 h		
	Acute crustacea toxicity	EC50	79 mg/l	48 h		
64-19-7	Acetic acid					
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna	Janssen et al

#### **12.2. Persistence and degradability**

The product has not been tested.

#### **12.3. Bioaccumulative potential**

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The product has not been tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
70236-55-4	disodium [1-[(2-hydroxy-3,5-dinitrophenyl)azo]-2-naphtholato(2-)] [3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(2-) CAS NO.70236-55-4	-0,13
57693-14-8	Trisodium bis[3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(3-)	-1,74
64-19-7	Acetic acid	-0,17
72403-66-8	Disodium [N-(2-chlorophenyl)-2-[(2-hydroxy-5-nitrophenyl)azo]-3-oxobutyramidato(2-)] [3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(2-)	0,479

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

#### 12.6. Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 3082
<b>14.2. UN proper shipping name:</b>	Environmental hazards
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III

#### Inland waterways transport (ADN)

<b>14.1. UN number:</b>	UN 3082
<b>14.2. UN proper shipping name:</b>	Environmental hazards
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III

#### Marine transport (IMDG)

<b>14.1. UN number:</b>	UN 3082
<b>14.2. UN proper shipping name:</b>	Environmental hazards
<b>14.3. Transport hazard class(es):</b>	9
<b>14.4. Packing group:</b>	III

#### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number:</b>	UN 3082
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**14.2. UN proper shipping name:** Environmental hazards

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: yes



**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU regulatory information**

2010/75/EU (VOC): 16,218 %

2004/42/EC (VOC): 16,328 %

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 3 - highly water contaminating

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

**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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Relevant H and EUH statements (number and full text)**

H222 Extremely flammable aerosol.  
 H226 Flammable liquid and vapour.  
 H230 May react explosively even in the absence of air.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H411 Toxic to aquatic life with long lasting effects.



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**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*