

FROM MCNSON MAIN FAX

(WED) AUG 18 2004 19:51/ST. 19:49/No. 6829729037 P 1

MSDS Name: FD&C Blue #1 Powder

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noveon

The Specialty Chemicals Innovator™

Material Safety Data Sheet**1 - Product and company information**

Product name	FD&C Blue #1 Powder		
Product number	21DA2204	Effective date	05/22/2004
Company identification	Noveon, Inc. 9911 Brecksville Rd. Cleveland, OH 44141-3247 United States of America	Company Canadian Address	Noveon Canada, Inc. 100 Regina Street South Suite 360 Waterloo, Ontario, N2J 4P9 Canada
Telephone Chemtrec (24 Hour)	(216) 447-5000 (800) 424-9300	Telephone CANUTEC	(519) 888-3330 (613) 996-6666
Preparer	Health, Safety, and Environmental Department		
Product description	FD&C Color		

2 - Composition / information on ingredients

<u>Chemical Name</u>	<u>CAS Number</u>
FD&C Blue No. 1	0003844-45-9

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

Notes: No Additional Information

3 - Hazards identification**Emergency overview**

See below for product details

Acute health effects

Solid particles on the eye (powder/dust) may cause pain and be accompanied by irritation. ACID BLUE 9: May cause eye and skin irritation. Ingestion may cause irritation. Inhalation may cause respiratory tract discomfort.

Chronic health effects

See Section 11, Toxicological Information.

Signs/Symptoms of exposure

Skin contact may discolor skin due to pigment

Routes of exposure/entry

Not Applicable

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Target organs

Eyes,Respiratory system,Skin

Medical conditions aggravated by exposure

Pre-existing skin problems may be aggravated by prolonged or repeated contact.

Carcinogenic status

Not listed or regulated by IARC, NTP, OSHA, or ACGIH.

Reproductive effects

None Expected

4 - First aid measures

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye contact

Immediately flush eyes with plenty of clean water for an extended time, not less than five (5) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion.

Skin contact

Wash the affected area thoroughly with plenty of water and soap.

Inhalation

If affected, remove to fresh air.

Ingestion

No ingestion effects known. Treat symptomatically.

Notes to physician

No Additional Information

5 - Fire fighting measures

NFPA flammability class: N/A

Flash point: Not Applicable

Explosive range: LEL Not Applicable
UEL Not Applicable

Notes: No Additional Information

Fire and explosive properties

This product is not known to present any fire hazard. Dust suspended in air in critical proportions and in the presence of an ignition source may be ignited by electrical arcs, sparks, welding torches, open flame or other significant heat sources including, possibly, electrostatic discharge. This product has not been evaluated for dust explosion potential.

Extinguishing media

Carbon dioxide, foam, dry chemical, water.

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Fire fighting instructions

Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists. Avoid hose streams or any method which will create dust clouds. Water spray (fog) can be used to absorb heat and to cool and protect surrounding exposed material.

Unusual fire/explosion hazards

None known.

6 - Accidental release measures

Containment techniques

No Information

Clean-up techniques

Wear proper personal protective clothing and equipment. Sweep up carefully and place into container for reuse or disposal. Do not sweep or flush product into sewers or waterways. Avoid causing dust.

Evacuation instructions

Not Applicable

7 - Handling and storage

Handling

Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid breathing dust. In general, dust of organic materials is a static charge generator which may be ignited by electrostatic discharge, electrical arcs, sparks, welding torches, cigarettes, open flame, or other significant heat sources. Although the risk of a dust explosion is low, as a precaution, implement the following safety measures:
Prevent accumulation of dust (e.g., well-ventilated conditions, promptly vacuuming spills, cleaning overhead horizontal surfaces, etc.). Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions.

Storage

Store in dry area. Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers.

8 - Exposure controls / personal protection

Chemical Name	ACGIH - TWA	ACGIH - STEL	OSHA - TWA	OSHA - STEL
FD&C Blue No. 1	N/E	N/E	N/E	N/E

Notes: As a guideline use the following for inert or nuisance dust (particulates not otherwise classified):
 - OSHA TWA: 5mg/m3 respirable fraction and 15 mg/m3 total dust
 - ACGIH TWA: 3mg/m3 respirable fraction and 10 mg/m3 inhalable particulates.
 General threshold value (MAK) for dust: 1.5 mg/m3 (respirable fraction) and 4 mg/m3 (inhalable fraction).

Engineering controls

Always provide effective general and, when necessary, local exhaust ventilation to draw dust away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS. Ventilation guidelines/techniques may be found in publications such as Industrial Ventilation: American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, OH, 45240-1634, USA.

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Eye protection (e.g., goggles) suitable for keeping dust out of the eyes.

Skin protection

Wear protective gloves.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. If inhalation of dust cannot be avoided, wear a particulate respirator approved by NIOSH/MSHA. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

General protection

No Additional Information

9 - Physical and chemical properties			
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Form	Powder	pH	Not Applicable
Appearance	Blue	% Volatile by weight	4%
Odor	None	Specific gravity	Not Applicable
Solubility in water	Soluble	VOC	Not Applicable
Evaporation rate	Not Available		
Vapor pressure	Not Applicable	Boiling point °F	Not Applicable
		Boiling point °C	Not Applicable
Melting point	Not available		
Vapor density	Not Applicable		
Partition coefficient	Not Applicable		

Notes: No Additional Information

10 - Stability and reactivity	
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Stability

This product is stable.

Hazardous polymerization

Hazardous polymerization will not occur.

Notes:

No Additional Information

Conditions to avoid

None known.

Incompatibility with other materials

Avoid contact with strong oxidizing agents.

Hazardous decomposition products

Carbon dioxide, Carbon monoxide

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Additional reactivity / stability information
None

Thermal processing emissions
Not Applicable

11 - Toxicological information

Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

Chemical Name	LC50 Inhalation	Species	LD50 Oral	Species	LD50 Skin	Species
FD&C Blue No. 1	N/E		>2000.00 mg/kg	Rat/ adult	N/E	

Chemical Name	LC50 Inhalation	Species	LD50 Oral	Species	LD50 Skin	Species
FD&C Blue No. 1	N/E		N/E		N/E	

ACID BLUE 9: Lifetime feeding studies in rats and mice indicate that Acid blue 9 is not carcinogenic. The no-observed-adverse-effect levels (NOAEL) in these studies were highest dose tested in male rats (1072 mg/kg/day) and both sexes of mice (7354-8966 mg/kg/day); the NOAEL in female rats was 631 mg/kg/day based on decrements in terminal body weight and survival. No reproductive or developmental effects have been observed in rats or rabbits. Human patch tests have not shown any evidence of sensitization or photosensitization. For further information, contact Noveon. As with all chemicals for which test data are limited or do not exist, caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

12 - Ecological information

ACID BLUE 9:
% BOD after 7 days = 77
12 days = 84
20 days = 88
No ecological testing has been conducted on this product.

13 - Disposal information

For waste disposal purposes, this product is not known to be defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261). Land disposal should be in closed containers. Incinerate or landfill waste in a properly permitted facility in accordance with federal, state and local regulations.

US RQ
Not Applicable

14 - Transportation information

UN/NA Number: N/A Hazard Class: N/A IMDG Class: N/A

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Packing Group: N/A
ICAO/IATA Class: N/A
TDG Class: N/A

Name of Material: Not regulated - See Bill of Lading for Details

15 - Regulatory information

This MSDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200

U.S. Toxic Substances Control Act:

All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

U.S. CERCLA – SARA:

SARA Title III Section 312 Hazard Category (40 CFR 311/312):

Not Hazardous

SARA Section 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372:

None Known

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

The chemical identity of some or all components present is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (!).

Canadian Domestic Substances List (DSL):

All components in this product are on the Canadian Domestic Substances List (DSL) or are exempt from listing.

Canadian Ingredient Disclosure List:

The following components are on the Canadian Ingredient Disclosure List (WHMIS):

None Listed

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Canadian WHMIS Class:

Not controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16 - Other information

HMIS Rating

Health: 0	Flammability: 0	Reactivity: 0	Personal Protection: X
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NFPA Rating

Health: 0	Flammability: 0	Reactivity: 0
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Key: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme

Hazardous Materials Identification System (HMIS), National Paint and Coating Assn. rating applies to product "as packaged" (i.e., ambient temperature). Ratings are based upon HMIS[®] Rating Manual 1984. Values do not reflect HMIS[®] III.

National Fire Protection Association (NFPA) rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

Legend:

* : Trademark of Noveon IP Holdings Corp.

ACGIH: American Conference of Governmental Industrial Hygienists

A1: Confirmed human carcinogen

A2: Suspected human carcinogen

A3: Animal carcinogen

CAS No: Chemical Abstract Service Registry Number

IARC: International Agency for Research on Cancer

Group 1: Carcinogenic to humans

Group 2A: Probably carcinogenic to humans

Group 2B: Possibly carcinogenic to humans

Group 3: Unclassified as a carcinogen to humans

MSHA: Mine Safety and Health Administration

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

N/A: Not Applicable

N/E: None Established

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

PNOC: Particulates Not Otherwise Classified

RTK: Right To Know

STEL: Short Term Exposure Limit (15 minute Time Weighted Average)

TLV: Threshold Limit Value

C: Ceiling Limit

S: Skin notation refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes and by direct skin contact with the substance

WHMIS: Canadian Workplace Hazardous Materials Information System

Users responsibility/disclaimer of liability

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements

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or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs for your operation.