



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield Super Marking Dye

SECTION 1: Identification

GHS Product identifier

Product name Hi-Yield Super Marking Dye
Product number 31051
Brand Hi-Yield

Recommended use of the chemical and restrictions on use

Colorant

Supplier's details

Name Voluntary Purchasing Groups, Inc.
Address 230 FM 87
Bonham TX 75418
USA

Telephone 855-270-4776

Emergency phone number

In the event of a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 2B

GHS label elements, including precautionary statements

Signal word

Warning

Hazard statement(s)

H320

Causes eye irritation

Precautionary statement(s)

P264

P305+P351+P338

P337+P313

P102

Wash hands thoroughly after handling.

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.

Keep out of reach of children.

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P103
P233
P234
P301+P310

Read label before use.
Keep container tightly closed.
Keep only in original container.
IF SWALLOWED: Immediately call a POISON CENTER or doctor.

SECTION 3: Composition/information on ingredients

Mixtures

Components

Component	Concentration
Fd&c blue no. 1 (CAS no.: 3844-45-9; EC no.: 223-339-8)	10 - < 30 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Have the product container with you when calling a poison control center or doctor, or going for treatment.
If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.
In case of skin contact	Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing. If eye irritation persists: Get medical advice or attention.
If swallowed	Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice if you feel unwell.

Most important symptoms/effects, acute and delayed

None known

Indication of immediate medical attention and special treatment needed, if necessary

None known

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use National fire protection association Class B extinguishers (Carbon dioxide, water fog, dry chemical or foam). Water may also be used.

Specific hazards arising from the chemical

None known

Special protective actions for fire-fighters

Cool surrounding area.

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Further information

Product is extremely soluble in water and will turn water blue but is safe for aquatic environments.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

No information available.

Methods and materials for containment and cleaning up

Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

SECTION 7: Handling and storage

Precautions for safe handling

Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.

Conditions for safe storage, including any incompatibilities

Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Normal room ventilation (mechanical) or outdoor use should be satisfactory.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Chemical goggles and face shield

Body protection

Chemical gloves, long-sleeved shirts and pants.

Respiratory protection

Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Deep Blue Liquid
Odor	None
Odor threshold	None
pH	3.8-5.4
Melting point/freezing point	Unknown
Initial boiling point and boiling range	Unknown
Flash point	>200°F
Evaporation rate	Unknown
Flammability (solid, gas)	Unknown
Upper/lower flammability or explosive limits	Unknown
Vapor pressure	Unknown

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Vapor density	Unknown
Relative density	1.020 to 1.058
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	Unknown
Auto-ignition temperature	Unknown
Decomposition temperature	Unknown
Viscosity	Unknown

Additional properties

Physical state	Liquid
Color	Deep blue

SECTION 10: Stability and reactivity

Reactivity

None known

Chemical stability

Stable

Possibility of hazardous reactions

None known

Conditions to avoid

None known

Incompatible materials

Strong oxidizers

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

FD&C Blue No. 1

Result: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatoben)

EC50 - Daphnia magna (water flea) - >97 mg/l - 48 h

LC50 - Oncorhynchus mykiss (rainbow trout) - 412 mg/l - 96 h

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No component presents at levels $\geq 0.1\%$ is identified as a know carcinogen by IARC, OSHA, or NTP.

Carcinogenicity

No component presents at levels $\geq 0.1\%$ is identified as a know carcinogen by IARC, OSHA, or NTP.

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Reproductive toxicity

None known

Specific target organ toxicity (STOT) - single exposure

No information available

Specific target organ toxicity (STOT) - repeated exposure

No information available

Aspiration hazard

No information available

SECTION 12: Ecological information

Toxicity

FD&C Blue No. 1

EC50 - Daphnia magna (water flea) - >97 mg/l - 48 h

LC50 - Oncorhynchus mykiss (rainbow trout) - 412 mg/l - 96 h

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

Packaging disposal

Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

SARA 311/312 Hazards

No SARA Hazards

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

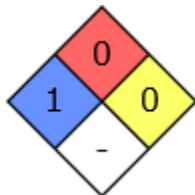
SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

NFPA Rating



SECTION 16: Other information

Further information/disclaimer

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