



**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.

# Safety Data Sheet

## Hi-Yield Super Marking Dye

P103 Read label before use.  
P233 Keep container tightly closed.  
P234 Keep only in original container.  
P301+P310 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.

# Safety Data Sheet

## Hi-Yield Super Marking Dye

### 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

# Safety Data Sheet

## Hi-Yield Super Marking Dye

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.

# Safety Data Sheet

## Hi-Yield Super Marking Dye

### 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

# Safety Data Sheet

## Hi-Yield Super Marking Dye

---

### 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.

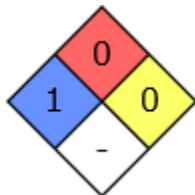
##### SARA 302 Components

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

Voluntary Purchasing Groups, Inc. believes the information presented herein is accurate and correct as of the document date. The presented information is based upon available data from reliable sources. Voluntary Purchasing Groups, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.