



Safety Data Sheet

Issue Date: 11/25/2015

Revision Date: N/a

Version: 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Name: Dy'on

Recommended use of the chemical and restrictions on use

Recommended use: Inks, coatings, household, institutional and industrial.

Details of the supplier of the safety data sheet

Company

Regal Chemical Company
600 Branch Dr.,
Alpharetta, GA 30004

Emergency telephone number

Company Telephone: (770) 475-4837

Emergency Telephone: Chemtrec 1-800-262-8200

2. Hazardous Identification

Classification:

GHS-US Classification

Acute tox – oral 5 H303

Skin corr./irritation 3 H316

Eye dam./irritation 2B H320

Label Elements

Hazard Statements (GHS-US)

Signal Word (OSHA): Warning

Hazard Statements:

H303 – May be harmful if swallowed

H316 - Causes mild skin irritation

H320 - Causes eye irritation

Hazard Symbols: No Symbol

Precautionary Statements:

P312 – Call a POISON CENTER or doctor/physician if you feel unwell

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P332 + P337 + P313 – If skin or eye irritation occurs: Get medical advice/attention

P264 - Wash skin and face thoroughly after handling

P270 - Do not eat, drink or smoke when using this product



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Other Hazard Statements: No data available

Unknown acute toxicity (GHS US): No data available

3. Composition/Information on Ingredients

Substances

Name	Product Identifier CAS No.	Weight%	Concentration
Dy'on Blue	3844-45-9	50% typ	Acute tox – Oral 5 H303 Skin corr./irritation 3 H316 Eye dam./irritation 2B H320

*Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. First Aid Measures

Description of first aid measures

First Aid Measures General: Remove contaminated clothing

First-aid measures after inhalation: Remove to fresh air. If breathing is difficult, give oxygen and get immediate medical attention.

First-aid measures after skin contact: Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.

First-aid measures after eye contact: Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. Get immediate medical attention.

First-aid measures after ingestion: Induce vomiting – seek immediate medical attention.

Most important symptoms and effects, both acute and delayed:

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY HAZARDOUS COMMUNICATION STANDARD. HOWEVER, AS WITH ALL CHEMICAL; HANDLE WITH CARE AVOID EYE & SKIN CONTACT, AVOID INHALATION OF DUSTS OR VAPORS. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINERS CLOSED.

Indication of any immediate medical attention and special treatment needed:

No additional information

5. Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media: WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM

Special hazards arising from the substance or mixture: NONE EXPECTED. FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS TO GUARD AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES. AVOID DUSTING. DUST CAN FORM EXPLOSIVE MIXTURES WITH AIR.

Fire Hazard: N/A

Explosion Hazard: N/A

Reactivity: N/A

Advice for firefighters

Firefighting Instructions: WEAR SELF-CONTAINED BREATHING APPARATUS.

Protection during firefighting: Wear fully protective suit.



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6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

General Measures: Remove persons from danger area.

For non-emergency personnel

Protective equipment:

Emergency procedures: No additional information

For emergency responders

Protective equipment: See Section 8 for information on personal protection equipment.

Emergency procedures: No additional information

Environmental precautions: Avoid any uncontrolled release of material. Do not empty into drains or the aquatic environment.

Methods and materials for containment and cleaning up

For containment: Where spills are possible, a comprehensive spill response plan should be developed and implemented. Steps to be taken if material is released or spilled are as follows: Utilize recommended protective clothing and equipment. Spills should be swept by using an absorbent dust control product and placed in containers.

For cleaning up: Spill area can be washed with water. Collect water for approved disposal. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

Reference to other sections

No additional information available.

7. Handling and Storage

Precautions for safe handling

Additional hazards when processed: N/A

Precautions for safe handling: LIQUID - Wear APPROPRIATE PROTECTION: GOGGLES, GLOVES and WORK CLOTHING. Over exposure may CAUSE IRRITATION. AVOID BREATHING FUMES. WASH AFTER HANDLING. ** STIR BEFORE USING.

Hygiene measures: N/A

Conditions for safe storage, including any incompatibilities

Technical measures: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Storage conditions: THIS PRODUCT CONTAINS NO CHEMICALS FOUND ON THE CALIFORNIA PROPOSITION 65 LIST.

Incompatible products: Keep away from heat. Keep away from sources of ignition.

Incompatible materials:

Storage area: Keep away from strong oxidizing and reducing agents

Special rules on packaging: None

Specific end use(s): inks, coatings, household, institutional and industrial



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8. Exposure Controls/Personal Protection

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Exposure controls

Appropriate engineering controls:

The usual precautionary measures are to be adhered to when handling chemicals.

Personal protective equipment:

Hand protection: Wear protective gloves

Eye protection: Tightly sealed safety goggles or full face shield

Skin and body protection: Wear suitable protective clothing

Respiratory protection: Dust Mask

Thermal hazard protection:

Other information:

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance

Physical state, appearance, color, odor	DARK BLUE LIQUID, NONE ODOR
Odor Threshold:	No data
pH:	4.0 +/- 1.0
Melting Point/Freezing Point:	ND
Initial boiling point/boiling range:	0.00
Flashpoint:	NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.
Evaporation rate:	No data
Flammability (solid, gas):	NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.
Upper explosive limits:	N/A
Lower explosive limits:	N/A
Vapor pressure:	N/A
Vapor density:	N/A
Relative density:	n/a
Solubility in water:	Yes.
Partition coefficient n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity, dynamic	No data
Viscosity, cinematic	No data
Explosive properties	N/A
Oxidizing properties	N/A

No additional information available



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10. Stability and Reactivity

Reactivity: No data

Chemical stability: Stable

Possibility of hazardous reactions

No additional information available

Conditions to avoid: OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.

Incompatible materials: OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.

Hazardous decomposition products: CO, CO₂, OXIDES OF NITROGEN AND OTHER POTENTIALLY TOXIC FUMES.

11. Toxicological Information

Information on toxicological effects

Oral (Animal): NO DATA AVAILABLE.

Dermal (animal): NO DATA AVAILABLE.

Effects to eyes (Animal): NOT IRRITATING.

Skin irritation (Animal): NOT IRRITATING.

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: ingestion may cause nausea, vomiting and diarrhea.

12. Ecological Information

Ecotoxicity: No data available

Persistence and degradability: No data available

Bioaccumulation: No data available

Other adverse effects: No additional information available

13. Disposal Considerations

Waste treatment methods

Regional legislation (waste): Dispose of only in an approved land-fill area or by controlled incineration in accordance with local and State regulations.



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Waste disposal recommendations: Empty bags thoroughly. Carry out the proper recycling, re-usage or disposal. Please refer to the relevant EU regulations, in particular the guidelines/decisions of the council regarding handling of wastes (e.g. 75/442/EEC, 91/689/EEC, 94/67/EC, 94/904/EC) as implemented in national regulations.

14. Transport Information

UN number: None

UN proper shipping name: None

Department of Transportation (DOT)

Transport hazard class(es): N/A

Hazard labels (DOT)

Packing group (DOT): N/A

DOT Special provisions: N/A

Additional information

Overland transport: NONE

Transport by sea: NONE

Air transport: NONE

DOT Quantity Limitations Passenger Aircraft: No additional information

DOT Quantity Limitations Cargo Aircraft: No additional information

15. Regulatory Information

US Federal Regulations

This substance is listed on United States TSCA (Toxic Substance Control Act) inventory.

US State regulations

None

Other Regulations

Chemical Identity	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
3844-45-9	X	-	-	X	-	-	-	-	-	-

TSCA Status: IN COMPLIANCE

E C Classification: (67/548/EEC – 88/379/EEC) n/a

EINECS Number: 223-339-8

REACH Classification:

R-phrases:

Additional Regulatory Information:

- TSCA
- DSL listed
- not listed on California Prop 65
- Listed on the EPA Inert List



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16. Other Information

Indication of changes: Not available

Other information: Not available

NFPA Rating: Not available

HMIS

Health hazards	1
Flammability	0
Physical hazards	0
Personal protection	0

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