

## MATERIAL SAFETY DATA SHEET

Trade Name..... :DIRECT BROWN GTL  
Chemical Name : DIRECT DYE Synonyms..... :  
DIRECT BROWN 210

CAS NO : [ 12222-29-6 ]

### 1. PHYSICAL DATA

Appearance..... POWDER  
Odor .....SLIGHTLY AROMATIC  
Solubility in Water : 70 G/L. @ 80 C.

### 2. HAZARDOUS INGREDIENTS

Material NO KNOWN HAZARDOUS INGREDIENTS PRESENT.

Warning OVEREXPOSURE TO THIS PRODUCT MAY CAUSE SLIGHT IRRITATION OF EYES AND SKIN.

### 3. FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method : N.A.

Flammable Limits : LEL : N.A. UEL : N.A.

Extinguishing Media : WATER SPRAY, DRY CHEMICALS, FOAM OR CARBONDIOXIDE.

Special Fire Fighting Procedures.: FIREFIGHTERS SHOULD WEAR FULL-FACE, SELFCONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING.

Unusual Fire and Explosion Hazards: NONE EXPECTED, BUT AVOID THE BUILD UP OF DYE DUST CLOUDS WHICH COULD BE EXPLOSIVE, AS OTHER ORGANIC POWDERS ARE.

NFPA Fire Hazards Code

Health.....	: 1	Minimal....	: 0
Fire.....	: 1	Slight.....	: 1
Reactivity....	: 0	Moderate..	: 2
Specific.....	: N.A.	Serious .....	3
		Severe .....	4

### 4. HEALTH HAZARD DATA

LD50 Oral (Ingestion).....>100 MG/L  
LD50 Dermal (Skin Contact) : >2,000 MG/KG  
LC50 (Inhalation).....N.E.  
Primary Route of Exposure...: N.E.  
Threshold Limit Value .....N.E.

Effects of Overexposure

Acute : SLIGHT IRRITATION OF EYES AND/OR SKIN.  
Chronic : NO CHRONIC ILL EFFECTS KNOWN.

5. EMERGENCY AND FIRST AID PROCEDURES

Eyes.....IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST FIFTEEN MINUTES. CONSULT PHYSICIAN IF IRRITATION OCCURS.  
Skin ..... IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER. WASH WELL WITH SOAP AND WATER. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.  
Ingestion...: IF CONSCIOUS, GIVE TWO GLASSES OF WATER TO DILUTE. INDUCE VOMITING ONLY IF ADVISED BY POISON CONTROL CENTER.  
Inhalation...: REMOVE TO FRESH AIR. IF EFFECTS OCCUR, CONSULT PHYSICIAN.

6. PHYSICAL HAZARDS

Precautions : MAINTAIN GOOD HOUSEKEEPING TO AVOID DUST BUILD UP. AVOID INGESTION, EYE AND SKIN CONTACT. MINIMIZE INHALATION EXPOSURE BY USING DUST RESPIRATOR. WASH HANDS AFTER WEIGHING DYE TO AVOID CONTACT OF THE SKIN OR EYES WITH CONTAMINATED HANDS. A SENSITIZED INDIVIDUAL SHOULD NOT BE EXPOSED TO THE PRODUCT WHICH CAUSED THE SENSITIZATION.

7. SPECIAL PROTECTION INFORMATION

Ventilation ..... USE LOCAL EXHAUST VENTILATION TO MINIMIZE EXPOSURE.  
Respiratory ..... A NIOSH/MSHA APPROVED DUST RESPIRATOR SHOULD BE WORN.  
Eye Protection..... WEAR SIDE-SHIELD SAFETY GLASSES OR CHEMICAL SAFETY GOGGLES.  
Protective Gloves : WEAR IMPERVIOUS GLOVES AS A STANDARD HANDLING PROCEDURE.  
Other.....DELUGE SAFETY SHOWER, EYE WASH STATION, PROTECTIVE CLOTHING.

All chemicals should be handled so as to prevent eye contact and excessive or repeated skin contact. Appropriate eye and skin protection should be employed. Inhalation of dusts and vapors should be avoided.

8. CHEMICAL REACTIVITY

Stability ..... STABLE UNDER NORMAL STORAGE CONDITIONS.  
Incompatibility (Materials to Avoid). : OXIDIZING AND REDUCING AGENTS.  
Hazardous Decomposition Products...: BURNING WILL PRODUCE OXIDES OF CARBON, NITROGEN AND SULFUR.  
Hazardous Polymerization ..... WILL NOT OCCUR UNDER NORMAL CONDITIONS.

9. STORAGE INFORMATION

Precautions To Be Taken In Handling And Storing: AVOID BREATHING DUST. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. STORE IN A DRY PLACE AWAY FROM EXCESSIVE HEAT, IN ORIGINAL OR SIMILAR WATERPROOF CONTAINERS. RESEAL CONTAINERS IMMEDIATELY AFTER USE.

10. SPILL, LEAK AND DISPOSAL INFORMATION

Accidental Release Measures: UTILIZE RECOMMENDED PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION. MIX MATERIAL WITH SWEEPING COMPOUND TO MINIMIZE DUSTING WHILE SWEEPING UP AND CONTAINING. VACUUM CONTAMINATED AREA.

Disposal Considerations DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE AND SHOULD NOT BE DISTRIBUTED, MADE AVAILABLE, FURNISHED OR REUSED EXCEPT FOR STORAGE AND SHIPMENT OF ORIGINAL PRODUCT.

11. SHIPPING INFORMATION

DOT Shipping Name.....NOT REGULATED.

Technical Shipping Name.....NOT APPLICABLE.

DOT	Hazard	Classification
Primary .....		NOT APPLICABLE.
Secondary .....		NOT APPLICABLE.

Freight Classification .....NOT REGULATED.

UN Number .....NOT APPLICABLE.

IMO Hazard Class.....NOT APPLICABLE.

DOT Labels Required.....COMMUNITY RIGHT TO KNOW LABEL.

EPA/DOT Hazardous Substances Rq.: NOT APPLICABLE.

12. OTHER GOVERNMENT REGULATIONS

TSCA: ALL COMPONENTS OF THIS PRODUCT ARE INCLUDED ON THE TSCA CHEMICAL SUBSTANCE INVENTORY.

13. ADDITIONAL COMMENTS

Practices: HANDLE WITH DUE CARE AND MINIMIZE EXPOSURE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICE.

DISCLAIMER

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