

# SAFETY DATA SHEET

DSC-205  
Apr 20, 2015  
Version 1.0

## SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

**Product ID :** DSC-205  
**Product Name :** Yellow Dye Concentrate  
**Revision Date :** Apr 20, 2015 **Date Printed :** Apr 20, 2015  
**Supersedes Date :** N.A.  
**Manufacturer's Name :** JDC SUPPLY  
**Address :** 2212 EDGEWOOD AVE SOUTH, SAINT LOUIS PARK. MN 55426  
**Emergency Phone :** Chemtrec: 1.800.424.9300  
**Information Phone :** 952-546-5600  
**SDS Fax # :**  
**Product/Recommended Uses:** Stain

## SECTION 2) HAZARDS IDENTIFICATION

### Classification:

Specific Target Organ Toxicity - Single Exposure - Category 1  
Skin Irritation - Category 2  
Eye Irritation - Category 2A  
Carcinogenicity - Category 2  
Flammable Liquid Category 2  
Flammable Liquids Category 2

### Pictograms:



### Signal Word:

Danger

### Hazardous Statements - Physical:

Highly flammable liquid and vapor

### Hazardous Statements - Health:

Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Causes skin irritation

Causes serious eye irritation

Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

### Hazardous Statements - Environmental:

Not classified

### Precautionary Statements - General:

Not classified

### Precautionary Statements - Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof <electrical/ventilating/lighting/...> equipment.  
Use only non-sparking tools.  
Take action to prevent static discharges.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash ? thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

**Precautionary Statements - Response:**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water <or shower>.  
In case of fire: Use ... to extinguish.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water <or shower>.  
In case of fire: Use dry chemical, foam, or carbon dioxide to extinguish.  
IF exposed or concerned: Call a POISON CENTER/doctor/?  
Specific treatment (see ? on this label).  
IF ON SKIN: Wash with plenty of water/?  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing. And wash it before reuse.  
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.  
IF exposed or concerned: Get medical advice/attention.

**Precautionary Statements - Storage:**

Keep cool.  
Store in a well-ventilated place.  
Store locked up.

**Precautionary Statements - Disposal:**

Dispose of contents/container to disposal recycling center.  
Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.  
Dispose of contents/container to ?

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**SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS**

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CAS	Chemical Name	% by Weight
0000064-17-5	ETHYL ALCOHOL	54% - 89%
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	16% - 26%
NA-ERAEnviro	CHROMIUM (III) COMPOUNDS	0.4% - 4.1%
0000067-56-1	METHANOL	0.3% - 3.1%
0000108-10-1	METHYL ISOBUTYL KETONE	0.1% - 0.8%
0000107-21-1	ETHYLENE GLYCOL	0.0% - 0.2%

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**SECTION 4) FIRST-AID MEASURES**

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**Inhalation:**

Take precautions to ensure your own safety. (e.g. wear appropriate protective equipment. Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**Skin Contact:**

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Store contaminated clothing under water and wash before re-use.

**Eye Contact:**

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

**Ingestion:**

Rinse mouth. If you feel unwell/concerned: Get medical advice/attention.

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**SECTION 5) FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media:**

Use dry chemical, foam or carbon dioxide to extinguish fire.

**Unsuitable Extinguishing Media:**

Not available.

**Fire-fighting Procedures:**

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done so safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel.

**Special Protective Actions:**

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Care should always be exercised in dust/mist areas.

Use water to keep fire-exposed containers and the surroundings cool.

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**SECTION 6) ACCIDENTAL RELEASE MEASURES**

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**Recommended Equipment:**

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

**Personal Precautions:**

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

**Emergency Procedure:**

Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Collect with absorbent, non-combustible material into suitable containers.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

**Environmental Precautions:**

Do not flush to sewer or waterways. Prevent release to the environment if possible.

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**SECTION 7) HANDLING AND STORAGE**

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**General:**

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

**Ventilation Requirements:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Storage Room Requirements:**

Keep in a cool, dry, well-ventilated area, away from any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

**SECTION 8) EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Eye Protection:**

Dust-proof goggles or safety glasses with side shields or vented/splash proof goggles. Contact lenses may absorb irritants. Particles may adhere to lenses and cause corneal damage.

**Skin Protection:**

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. To prevent skin contact wear protective clothing covering all exposed areas. Avoid unnecessary skin contact.

**Respiratory Protection:**

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA-Tables-Z1,2,3	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
ETHYL ALCOHOL	1000	1900			1			1000	1900			
ETHYLENE GLYCOL												
ETHYLENE GLYCOL MONOBUTYL ETHER	50	240			1		1	5	24			
METHANOL	200	260			1			200	260	250	325	
METHYL ISOBUTYL KETONE	100	410			1			50	205	75	300	

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
ETHYL ALCOHOL			1000		A3	A3	URT irr
ETHYLENE GLYCOL				C 100	A4	A4	URT & eye
ETHYLENE GLYCOL MONOBUTYL ETHER	20	97			A3	A3; BEI	Eye &
METHANOL	200	262	250	328		Skin; BEI	Headache, eye dam
METHYL ISOBUTYL KETONE	20		75	307	A3	A3; BEI	URT irr; dizziness

**SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

Density	6.93505 lb/gal
% Solids By Weight	4.00000%
% VOC	96.00000%

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Appearance	Liquid
Odor Description	Solvent
Odor Threshold	N.A.
pH	N.A.
Melting Point	N.A.
Freezing Point	N.A.
Low Boiling Point	N.A.
High Boiling Point	N.A.
Flash Point Symbol	N.A.
Flash Point	50 °F
Evaporation Rate	N.A.
Flammability	N/A
Upper Explosion Level	N.A.
Lower Explosion Level	N.A.
Vapor Density	N.A.
Vapor Pressure	N.A.
Water Solubility	N.A.
Coefficient Water/Oil	N.A.
Auto Ignition Temp	N.A.
Decomposition Pt	N.A.
Viscosity	N.A.

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**SECTION 10) STABILITY AND REACTIVITY**

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**Stability:**

Stable under normal conditions and use.

**Conditions to Avoid:**

Avoid great heat, sparks, flame, build up of static electricity and contact with incompatible materials.

Avoid temperature above maximum storage temperature.

**Hazardous Polymerization:**

Will not occur.

**Incompatible Materials:**

Not available.

**Hazardous Decomposition Products:**

No data available.

**SECTION 11) TOXICOLOGICAL INFORMATION**

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**Skin Corrosion/Irritation:**

Causes mild skin irritation.

Causes skin irritation

**Serious Eye Damage/Irritation:**

Causes serious eye irritation.

Causes serious eye irritation

**Respiratory/Skin Sensitization:**

May cause an allergic skin reaction

**Germ Cell Mutagenicity:**

No data available.

**Carcinogenicity:**

May cause cancer.

Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

**Reproductive Toxicity:**

No data available.

**Specific Target Organ Toxicity - Single Exposure:**

No data available.

Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

**Specific Target Organ Toxicity - Repeated Exposure:**

No data available.

**Aspiration Hazard:**

No data available.

**Acute Toxicity:**

No data available.

0000107-21-1 1,2-ETHANEDIOL

LD50 (oral, rat): 5.89 g/kg; 8.54 g/kg; 13.0 g/kg (5)  
LD50 (oral, mouse): 7.5 g/kg; 15.28 g/kg (5,6)  
LD50 (oral, guinea pig): 6.6 g/kg; 11.0 g/kg (5)  
LD50 (oral, rabbit): 5.0 g/kg (5)  
LD50 (dermal, rabbit): 9.5 g/kg (6)

0000111-76-2 2- BUTOXYETHANOL

LC50 (female rat): 450 ppm (4-hour exposure) (2)  
LC50 (male rat): 486 ppm (4-hour exposure) (2)  
LD50 (oral, male weanling rat): 3000 mg/kg (1)  
LD50 (oral, 6-week old male rat): 2400 mg/kg (1)  
LD50 (oral, yearling male rat): 560 mg/kg (1)  
LD50 (oral, female rat): 530 mg/kg; 2500 mg/kg (1) LD50 (oral, male mouse): 1230 mg/kg (1)  
LD50 (oral, rabbit): 320 mg/kg (1)  
LD50 (dermal, male rabbit): 406 mg/kg (cited as 0.45 mL/kg) (1)

0000064-17-5 Ethanol

LC50 (mouse): Approximately 21000 ppm (4-hour exposure); cited as 39 g/m3 (4-hour exposure) (1, unconfirmed)  
LD50 (oral, rat): 7060 mg/kg (41); 10600 mg/kg (41); 13660 mg/kg (37)  
LD50 (oral, mouse): 3450 mg/kg (1, unconfirmed)  
LD50 (oral, guinea pig): 5560 mg/kg (37)

0000067-56-1 METHANOL

LC50 (rat): 64000 ppm (4-hour exposure) (14, unconfirmed)  
LD50 (oral, rat): 5628 mg/kg (14, unconfirmed)  
LD50 (oral, 14-day old rat): 5850 mg/kg (cited as 7.4 mL/kg) (15)  
LD50 (oral, young adult rat): 10280 mg/kg (cited as 13.0 mL/kg) (15)  
LD50 (oral, monkey): 3000 mg/kg (1/1 animal died) (16) LD50 (dermal, rabbit): 15800 mg/kg (cited as 20 mL/kg) (17 citing unpublished information)

0000108-10-1 METHYL ISOBUTYL KETONE

LC50 (rat): 2000 - 4000 ppm (4-hour exposure) (1)  
LD50 (oral, rat): 2,080 mg/kg (1)  
LD50 (oral, male mouse): 1,200 mg/kg; cited as 1.5 mL/kg (3)  
LD50 (dermal, rabbit): greater than 3000 mg/kg (9)

Potential Health Effects - Miscellaneous

0000064-17-5 ETHYL ALCOHOL

The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.

0000067-56-1 METHANOL

Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, kidneys, liver, skin. Excessive human exposure to methanol may lead to: fatigue, headache, anaesthetic, neurologic effects, and visual difficulties including blindness or death. Recurrent overexposure may result in liver and kidney injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother. Ingestion may cause any of the following: blindness. Eye contact may cause any of the following: conjunctivitis, mild irritation, corneal opacity.

0000108-10-1 METHYL ISOBUTYL KETONE

The following medical conditions may be aggravated by exposure: asthma, respiratory disease, eye disorders, pulmonary conditions, skin disorders. Repeated or prolonged skin contact may cause any of the following: dryness, cracking of the skin, defatting. Inhalation may cause any of the following: dizziness, stupor (central nervous system depression), drowsiness, respiratory tract irritation.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

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## SECTION 12) ECOLOGICAL INFORMATION

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**Toxicity:**

No data available.

**Persistence and Degradability:**

No data available.

**Bioaccumulative Potential:**

No data available.

**Mobility in Soil:**

No data available.

**Other Adverse Effects:**

No data available.

Mobility in Soil

0000067-56-1 METHANOL

Will not adsorb on soil.

Persistence and Degradability

0000067-56-1 METHANOL

72% aerobic biodegradability.

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## SECTION 13) DISPOSAL CONSIDERATIONS

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**Waste Disposal:**

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14) TRANSPORT INFORMATION

### U.S. DOT Information:

Shipping Name: Paint related material  
UN/NA #: 1263 Hazard Class:3 Packing Group: II  
Required Label(s): Flammable  
Placards: Combustible

### IMDG Information:

Shipping Name: Paint related material  
UN/NA #: 1263 Hazard Class:3 Packing Group: III  
Required Label(s): Combustible

### IATA Information:

Shipping Name: Paint related material  
UN/NA #: 1263 Hazard Class:3 Packing Group: II  
Required Label(s): Combustible

## SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% ByWeight	Regulation List
0000064-17-5	ETHYL ALCOHOL	54% -89%	SARA312,TSCA,MN_ChemHighConcern - Minnesota Chemicals of High Concern list
0000067-56-1	METHANOL	0.3% -3.1%	CERCLA,SARA312,SARA313,TSCA,RCRA,MN_ChemHighConcern - Minnesota Chemicals of High Concern list
0000107-21-1	ETHYLENE GLYCOL	0.0% -0.2%	CERCLA,SARA312,SARA313,TSCA
0000108-10-1	METHYL ISOBUTYL KETONE	0.1% -0.8%	CERCLA,SARA312,SARA313,TSCA,RCRA,MN_ChemHighConcern - Minnesota Chemicals of High Concern list
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	16% -26%	CERCLA,SARA312,SARA313,TSCA,MN_ChemHighConcern - Minnesota Chemicals of High Concern list
NA-ERAEnviro	CHROMIUM (III) COMPOUNDS	0.4% -4.1%	CERCLA,SARA312,SARA313

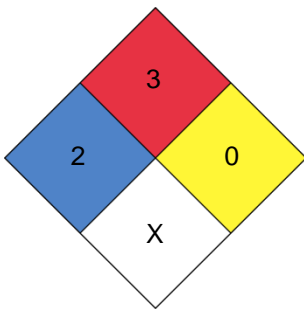
## SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

### Glossary:



ACGIH: American Conference of Governmental Industrial Hygienists  
ANSI: American National Standards Institute  
Canadian TDG: Canadian Transportation of Dangerous Goods  
CAS: Chemical Abstract Service  
Chemtrec: Chemical Transportation Emergency Center (US)  
CHIP: Chemical Hazard Information and Packaging  
DSL: Domestic Substances List  
EC: Equivalent Concentration  
EH40 (UK): HSE Guidance Note EH40 Occupational Exposure Limits  
EPCRA: Emergency Planning and Community Right-To-Know Act  
HMIS: Hazardous Material Information Service  
LC: Lethal Concentration  
LD: Lethal Dose  
NFPA: National Fire Protection Association  
OEL: Occupational Exposure Limits OSHA: Occupational Safety and Health Administration, US Department of Labor  
PEL: Permissible Exposure Limit  
SARA (Title III): Superfund Amendments and Reauthorization Act  
SARA 313: Superfund Amendments and Reauthorization Act, Section 313  
SCBA: Self-Contained Breathing Apparatus  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit Value  
TSCA: Toxic Substances Control Act Public Law 94-469  
TWA: Time Weighted Value  
US DOT: US Department of Transportation  
WHMIS: Workplace Hazardous Materials Information System

### HMIS



Chronic :



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