

# Material Safety Data Sheet

## According to 91/155 EC

Printing date 10/15/2012

Reviewed on 10/15/2012

### 1 Identification of the substance/preparation and of the company/undertaking

- **Product Details**
- **Trade Name:** Orange
- **Application of the substance / the preparation:** Colourant Preparation
- **Manufacturer/Supplier:**  
CHEMICAL CONSULTANTS, INC.  
1850 WILD TURKEY CIRCLE  
CORONA, CA 92880-1799 U.S.A.
- **Telephone**  
**General:** (951) 735 - 5511  
**Emergency:** INFOTRAC - 800-535-5053

### 2 Composition/information on ingredients

Name	CAS-No.	Content
Surfactant	Proprietary Surfactant	1-3%

### 3 Hazards identification

- Physical state** : Liquid.
- Color** : Orange.
- OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
- Emergency overview** : Warning!  
Irritating to eyes. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- Routes of entry** : Dermal contact. Inhalation.
- Potential acute health effects**
- Eyes** : Irritating to eyes.
- Skin** : May cause mild skin irritation.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Ingestion** : No known significant effects or critical hazards.
- Potential chronic health effects (Long term exposure)**
- Carcinogenic effects** : No known significant effects or critical hazards.
- Mutagenic effects** : No known significant effects or critical hazards.
- Teratogenicity / Reproductive toxicity** : No known significant effects or critical hazards.
- Target organs** : Not available.
- Medical conditions aggravated by over-exposure** : None known.
- See toxicological information (Section 11)

# Material Safety Data Sheet

According to 91/155 EC

Printing date 10/15/2012

Reviewed on 10/15/2012

Trade name: Orange

## 4 First-aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## 5 Fire-fighting measures

- Flammability of the product** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of combustion** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
halogenated compounds  
metal oxide/oxides
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Flash point** : Closed cup: Not applicable.

## 6 Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

# Material Safety Data Sheet

## According to 91/155 EC

Printing date 10/15/2012

Reviewed on 10/15/2012

Trade name: Orange

### 7 Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### 8 Exposure controls/personal protection

**Consult local authorities for acceptable exposure limits.**

- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Personal protection**

- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory** : In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### 9 Physical and chemical properties

- Physical state** : Liquid.
- Color** : Orange.
- Boiling/condensation point** : Lowest known value: 100°C (212°F)
- Melting/freezing point** : May start to solidify at the following temperature: 0°C (32°F) This is based on data for the following ingredient: water.
- Flash point** : Not available.
- VOC** : N/A
- Density** : 1.1 g/cm<sup>3</sup>
- Solubility** : Insoluble in the following materials: cold water and hot water.
- Evaporation rate** : <1 (water) compared with butyl acetate

## Material Safety Data Sheet

### According to 91/155 EC

Printing date 10/15/2012

Reviewed on 10/15/2012

Trade name: Orange

### 10 Stability and reactivity

- Stability and reactivity** : The product is stable.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.
- Reactivity - Light** : Not applicable.

### 11 Toxicological information

**Acute toxicity**

- Conclusion/Summary** : No known significant effects or critical hazards.

**Chronic toxicity**

- Conclusion/Summary** : No known significant effects or critical hazards.

**Carcinogenicity**

- Conclusion/Summary** : No known significant effects or critical hazards.

**Mutagenicity**

- Conclusion/Summary** : No known significant effects or critical hazards.

**Teratogenicity**

- Conclusion/Summary** : No known significant effects or critical hazards.

**Reproductive toxicity**

- Conclusion/Summary** : No known significant effects or critical hazards.

### 12 Ecological information

- Environmental effects** : No known significant effects or critical hazards.

**Aquatic ecotoxicity**

- Conclusion/Summary** : Not available.

**Biodegradability**

- Conclusion/Summary** : Not available.

- Other adverse effects** : No known significant effects or critical hazards.

### 13 Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to protective measures listed in sections 7 and 8.  
Empty containers or liners may retain some product residues.

### 14 Transport information

Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
DOT Classification			-	-		-

PG\* : Packing group

## Material Safety Data Sheet

### According to 91/155 EC

Printing date 10/15/2012

Reviewed on 10/15/2012

Trade name: Orange

### 15 Regulatory information

**HCS Classification** : Irritating material  
**TSCA 8(b) inventory** : Listed  
**U.S. Federal regulations** : **TSCA 4(a) final test rules:** acetaldehyde  
**TSCA 4(a) ITC priority list:** No products were found.  
**TSCA 4(a) proposed test rules:** No products were found.  
**TSCA 5(a)2 final significant new use rules:** No products were found.  
**TSCA 5(a)2 proposed significant new use rules:** No products were found.  
**TSCA 5(e) substance consent order:** No products were found.  
**TSCA 6 final risk management:** No products were found.  
**TSCA 6 proposed risk management:** No products were found.  
**TSCA 8(a) CAIR:** No products were found.  
**TSCA 8(a) chemical risk rules:** No products were found.  
**TSCA 8(a) dioxin/furane precursor:** No products were found.  
**TSCA 8(a) IUR Exempt/Partial exemption:** Not determined  
**TSCA 8(a) PAIR:** acetaldehyde  
**TSCA 8(c) calls for record of SAR:** No products were found.  
**TSCA 8(d) H and S data reporting:** acetaldehyde  
**TSCA 12(b) annual export notification:** No products were found.  
**TSCA 12(b) one-time export:** No products were found.  
**Commerce control list precursor:** No products were found.  
**TSCA commerce control list:** Not listed  
**SARA 302/304/311/312 extremely hazardous substances:** No products were found.  
**SARA 302/304 emergency planning and notification:** No products were found.  
**SARA 302/304/311/312 hazardous chemicals:** No products were found.  
**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** No products were found.  
**Clean Water Act (CWA) 307:** Pigment Blue 15:3  
**Clean Water Act (CWA) 311:** Styrene Monomer; sodium hydroxide; acetaldehyde  
**Clean Air Act (CAA) 112 accidental release prevention:** No products were found.  
**Clean Air Act (CAA) 112 regulated flammable substances:** No products were found.  
**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

#### SARA 313

	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
<b>Supplier notification</b>	: None identified.		

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

**CONEG** : In compliance.

#### International lists

**International lists** : **Canada inventory:** All components are listed or exempted.  
**Australia inventory (AICS):** All components are listed or exempted.  
**China inventory (IECSC):** All components are listed or exempted.  
**Japan inventory:** All components are listed or exempted.  
**Korea inventory:** All components are listed or exempted.  
**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.  
**Philippines inventory (PICCS):** At least one component is not listed.  
**Europe Inventory:** Please contact your supplier to get the information.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.