

# SAFETY DATA SHEET

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

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**Product ID:** ORANGE  
**Product Name:** 2X ORANGE  
**Revision Date:** May 29, 2018  
**Version:** 1.0  
**Manufacturer's Name:**  
**Address:**

**Date Printed:** May 29, 2018  
**Supersedes Date:** N.A.

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## SECTION 2) HAZARDS IDENTIFICATION

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### Notice

All warnings regarding chemicals in a dust format do not apply to any of our plastisol product line. It is mandatory to disclose all hazardous materials per the GHS guidelines, but there is no dust exposure possible in this product line formulations.

### Classification

Acute aquatic toxicity - Category 3  
Chronic aquatic toxicity - Category 3  
Skin Sensitizer - Category 1

### Pictograms



### Signal Word

Warning

### Hazardous Statements - Health

May cause an allergic skin reaction

### Hazardous Statements - Environmental

Harmful to aquatic life  
Harmful to aquatic life with long lasting effects

### Precautionary Statements - General

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

### Precautionary Statements - Prevention

Avoid release to the environment.  
Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements - Response

IF ON SKIN: Wash with plenty of water

If skin irritation or a rash occurs: Get medical advice/attention.

Specific treatment (see first-aid on this label).

Take off contaminated clothing. And wash it before reuse.

### Precautionary Statements - Storage

No precautionary statement available.

### Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/regional/national/international regulation. Under RCRA it is the responsibility of the user of the products 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.

### Hazards Not Otherwise Classified (HNOC)

None

Acute toxicity of 2% of the mixture is unknown

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## SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

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CAS	Chemical Name	% By Weight
0009002-86-2	POLYVINYL CHLORIDE	44% - 54%
Trade Secret	Trade Secret Plasticizer	23% - 28%
Trade Secret	Mineral Filler	8% - 11%
Trade Secret	Trade Secret Plasticizer	0.7% - 5%
0064742-47-8	ISOPARAFFINIC PETROLEUM DISTILLATE	0.2% - 1.9%
0000101-02-0	TRIPHENYL PHOSPHITE	0.0% - 0.2%
0068412-54-4	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched	Trace
0000050-00-0	FORMALDEHYDE	Trace

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

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## SECTION 4) FIRST-AID MEASURES

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### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. Get medical advice/attention: IF exposed, concerned or feeling unwell.

### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for 15-20 minutes. Wash contaminated clothing before re-use or discard. If exposed, concerned or if skin irritation or rash occurs: Get medical advice/attention.

### 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 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. Get medical advice/attention if you feel unwell or concerned.

### Most Important Symptoms and Effects, Both acute and Delayed

No data available.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

No data available.

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## SECTION 5) FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

### Unsuitable Extinguishing Media

No data available.

### Specific Hazards in Case of Fire

Hazardous combustion products may include HCL and oxides of carbon.

### 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 safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Special Protective Actions

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

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## SECTION 6) ACCIDENTAL RELEASE MEASURES

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### Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

### Recommended Equipment

Respirator should be used if the accidental release location is not well ventilated. Eye Protection and Gloves should be worn when handling material.

### Personal Precautions

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

### Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

### Methods and Materials for Containment and Cleaning up

Absorb spill onto suitable non-flammable absorbent materials and place in closed containers.

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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.

## Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

## Storage Room Requirements

Avoid temperature extremes. Prevent from freezing and avoid storage temperatures above 115F, (46C). Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes.

Containers that have been opened must be carefully resealed to prevent leakage. Empty containers with any residue should be handled by following disposal instructions in Section 13. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them.

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## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Eye protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

### 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.

Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly dispose of contaminated material, which cannot be decontaminated.

### Respiration 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.

### Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA STEL (ppm)	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (mg/m3)	OSHA Skin designation	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)	ACGIH - ACGIH
FORMALDEHYDE	2 / 15minutes	0.75 (a)				1,2	1				0.016b	1
ISOPARAFFINIC PETROLEUM DISTILLATE		500	2000			1						
Mineral Filler			[15]; [5 (a)];			1				10,5a		
POLYVINYL CHLORIDE												1

Chemical Name	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)
FORMALDEHYDE	A1	DSEN;RSE N;A1	URT & eye irr: URT cancer		0.3		0.1
ISOPARAFFINIC PETROLEUM DISTILLATE							
Mineral Filler							
POLYVINYL CHLORIDE	A4	A4	Pneumoc niosis; LRT irr; pulm func			1 (R)	

(C) - Ceiling limit, (R) - Respirable fraction, A1 - Confirmed Human Carcinogen, A4 - Not Classifiable as a Human Carcinogen, func - Function, irr - Irritation, LRT - Lower respiratory tract, pulm - Pulmonary, URT - Upper respiratory tract

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## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

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### Physical and Chemical Properties

Density	10.60250 lb/gal
Coefficient Water/Oil	N/A
Appearance	N/A
Odor Threshold	N/A
Odor Description	N/A
pH	N/A
Water Solubility	N/A
Flammability	Flash point at or above 200°F/93°C
Flash Point Symbol	>
Flash Point	200 °F
Viscosity	N/A
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Vapor Pressure	N/A
Vapor Density	Heavier than air
Freezing Point	N/A
Melting Point	N/A
Boiling Point	N/A
Auto Ignition Temp	N/A
Decomposition Pt	N/A
Evaporation Rate	Slower than butyl acetate

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## SECTION 10) STABILITY AND REACTIVITY

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### Stability

This material is stable under normal temperature and storage conditions.

### Conditions to Avoid

Prolonged exposure to temperatures above 300 °F (148 °C).

### Hazardous Reactions/Polymerization

Will not occur.

### Incompatible materials

Strong oxidizers.

### Hazardous Decomposition Products

Hydrogen chloride and oxides of carbon.

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**SECTION 11) TOXICOLOGICAL INFORMATION**

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**Likely Routes of Exposure**

No Data Available

**Skin Corrosion/Irritation**

No Data Available

**Serious Eye Damage/Irritation**

No Data Available

**Respiratory/Skin Sensitization**

May cause an allergic skin reaction

**Germ Cell Mutagenicity**

No Data Available

**Carcinogenicity**

No Data Available

**Reproductive Toxicity**

No Data Available

**Specific Target Organ Toxicity - Single Exposure**

No Data Available

**Specific Target Organ Toxicity - Repeated Exposure**

No Data Available

**Aspiration Hazard**

No Data Available

**Acute Toxicity**

No Data Available

**Chronic Exposure**

0000050-00-0 FORMALDEHYDE

Formaldehyde has caused cancer in test animals at high concentrations (5-15ppm).

Formaldehyde is classified as a Suspected Human Carcinogen (A2) by ACGIH, and as Probably Carcinogenic to Humans (Group 2A) by IARC. Formaldehyde has caused cancer in test animals.

0000050-00-0 FORMALDEHYDE

LC50 (rat): 8000 ppm (4-hour exposure) (24)

LD50 (oral, male rat): 2500 mg/kg (25)

LD50 (oral, rat): 2920 mg/kg (26)

LD50 (dermal, guinea pig): greater than 15000 mg/kg (cited as greater than 0.94 mL/kg) (27)

LD50 (dermal, rat): 5070 mg/kg (28, unconfirmed)

Trade Secret Mineral Filler

LD50 (oral, rat): 6450 mg/kg (10; unconfirmed)

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**SECTION 12) ECOLOGICAL INFORMATION**

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**Toxicity**

Harmful to aquatic life

Harmful to aquatic life with long lasting effects

**Persistence and Degradability**

No data available.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Expected to be inherently biodegradable. The volatile constituents will oxidize rapidly by photochemical reactions in air.

**Bioaccumulative Potential**

No data available.

**Mobility in Soil**

No data available.

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Floats on water. Contains volatile constituents. Evaporates within a day from water or soil surfaces. Large volumes may penetrate soil and could contaminate groundwater.

**Other Adverse Effects**

No data available.

**Bio-accumulative Potential**

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Contains constituents with the potential to bio accumulate.

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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 and reuse.

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**SECTION 14) TRANSPORT INFORMATION**

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**U.S. DOT Information**

No data available.

**IMDG Information**

No data available.

**IATA Information**

No data available.

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**SECTION 15) REGULATORY INFORMATION**

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**Warning**

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm.

CAS	Chemical Name	% By Weight	Regulation List
0009002-86-2	POLYVINYL CHLORIDE	44% - 54%	SARA312,TSCA

Trade Secret	Trade Secret Plasticizer	23% - 28%	SARA312,TSCA
Trade Secret	Mineral Filler	8% - 11%	SARA312,TSCA
Trade Secret	Trade Secret Plasticizer	0.7% - 5%	SARA312,TSCA
0064742-47-8	ISOPARAFFINIC PETROLEUM DISTILLATE	0.2% - 1.9%	SARA312,TSCA
0000101-02-0	TRIPHENYL PHOSPHITE	0.0% - 0.2%	SARA312,TSCA
0000112-34-5	DIETHYLENE GLYCOL MONOBUTYL ETHER	0.0% - 0.2%	SARA313, CERCLA,SARA312,TSCA
0068412-54-4	Poly(oxy-1,2-ethanediy), alpha-(nonylphenyl)-omega -hydroxy-, branched	Trace	SARA312,TSCA
0000050-00-0	FORMALDEHYDE	Trace	SARA313, CERCLA,SARA312,TSCA,RCRA,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Cancer - CA_Proposition65_Type_Toxicity_Cancer

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## SECTION 16) OTHER INFORMATION

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### 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; ESL- Effects screening levels; 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; TCEQ-Texas Commission on Environmental Quality; 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.

### Additional Information

Any concentration shown as a range is to protect confidentiality or is due to batch variation

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