

SAFETY DATA SHEET (SDS)
According to OSHA HCS (29 CFR 1910.1200)

DATE ISSUED: 5/22/2024
PEX-2003, PRINCETON ORANGE

Version 1.0

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: PRINCETON ORANGE
Product Code: PEX-2003
Product Use: For pigmenting elastomeric coatings, adhesives, sealants and composites.
Manufacturer: Excel Color Corporation
Address: 220 Bond Street
Elk Grove Village, IL 60007
USA
Telephone: 1.847.734.1270
Emergency phone: CHEMTREC 1.800.262.8200

SECTION II – HAZARDS IDENTIFICATION

While this material is classified as non-hazardous under GHS and Federal OSHA Hazard communication Standard 29 CFR 1910.1200(d) regulations, this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

GHS Classification: Not a hazardous substance or mixture
GHS Label Element: Not a hazardous substance or mixture
Other hazards: None known

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

Label elements in accordance with 29 CFR 1910.1200(f):

Hazard pictogram(s):	Not Applicable
Signal word:	Not Applicable
Hazard statements:	Not Applicable
Precautionary statements:	Not Applicable

SECTION III – PRODUCT COMPOSITION

Chemical Name	CAS #	% By Weight
Poly(diethylene adipate) glycol	9010-89-3	75.0 – 85.0
Organic Orange Pigment	84632-59-7	5.0 – 15.0
Additive	NA	<10.0

Description of first aid measures:



Inhalation:

If inhaled, move to fresh air. Get medical attention if symptoms develop or persist.

Skin Contact:

Wash off with soap and water. Get medical attention if irritation develops or persists.

Eye contact:

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Rinse immediately with water. Get medical attention if irritation develops or persists.

Ingestion:

If swallowed, do not induce vomiting. Give a glass of water. Get medical attention immediately. Never give anything by mouth to an unconscious person.

General information:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Skin may discolor due to pigment. Pre- existing skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.

SECTION V - FIRE- FIGHTING MEASURES

Extinguishing Media:

Foam, Gaseous extinguishing agents, Fire extinguishing powder, Water fog/Haze.

For safety reasons, unsuitable extinguishing agents: Water stream

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

Firefighting Instructions:

Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, where SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations. See section 9 for additional information.

SECTION VI- ACCIDENTAL RELEASE MEASURES

Environmental Precautions:

Water Spill

Keep material out of storm sewers and ditches which lead to waterways. Contain spilled material with sand or earth. Clean up spill immediately, observing precautions in the Personal Protection Section of SDS.

Land Spill:

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Contact applicable authorities and determine applicable regulations based on SDS information.

Air Release:

Contact applicable authorities and determine applicable regulations based on SDS information.

Methods for Containment and Clean up:

Take up mechanically and dispose of according to local, state and federal regulations. For small amounts, absorb with a liquid binding material such as diatomaceous earth and dispose of according to local, state and federal regulations. Contain large amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

SECTION VII – HANDLING AND STORAGE

Handling:

Precaution for safe handling:

As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture or weld on or near the container. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing.

Storage:

This material is not hazardous under normal storage conditions; however, material should be stored in closed containers, in a secure area to prevent container damage and subsequent spillage. It is recommended that containers be raised above floor or ground during extended

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storage periods to prevent container corrosion due to standing water. Do not store in open, unlabeled or mislabeled container. Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Investigate engineering techniques to reduce exposures. Provide ventilation if necessary to minimize exposures. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

PERSONAL PROTECTIVE EQUIPMENT:



EYES AND FACE PROTECTION:

Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas. Use good industrial practice to avoid eye contact.

HYGIENIC WORK PRACTICES:



SKIN PROTECTION:

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Minimize skin contamination by following good industrial hygiene practice. Wash hands and contaminated skin thoroughly after handling. Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.



RESPIRATORY PROTECTION:

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

EXPOSURE GUIDELINES:

Absence of values indicates none found.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Orange/Liquid
Odor	Mild
Odor threshold	Not determined
pH	NA
Melting point	Undetermined
Boiling point (760 mm Hg)	>199°C (>390°F)
Flashpoint (closed cup)	199°C (390°F)
Flammability (solid, gaseous)	Not applicable
Auto- ignition temperature	Not determined
Decomposition temperature	Not determined
Auto igniting	Product is not self-igniting

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Danger of explosion	Product does not present an explosion hazard
Oxidizing properties	Non-oxidizing
Vapor pressure at 20°C (68°F)	<0.0013 hPa (<0mm Hg) (<0.001 mm Hg)
Specific gravity	1.16 (+/-0.20)
Weight per gallon	9.68 (+/-0.50)
Relative Density	Not determined
Vapor density	Not determined
Evaporation rate	Not determined
Solubility in/Miscibility with water	Slightly soluble
Partition coefficient (n-octanol/water)	Not determined
Viscosity: Dynamic at 25°C (77°F) Kinematic:	Not determined Not determined
Other information	No further relevant information available

SECTION X – STABILITY AND REACTIVITY

Stability:

This material is chemically stable under specified conditions or storage, shipment and/or use.

Reactivity:

None known.

Thermal decomposition/conditions to be avoided:

No decomposition if used and stored according to specifications.

Possibility of hazardous reactions:

Reacts with strong oxidizing agents.

Toxic fumes maybe released if heated above the decomposition point.

Conditions to Avoid:

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous Decomposition Products:

Possible in traces.

SECTION XI – TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:

LD/LC50 value that are relevant for classification: None

Primary irritant effect:

On the skin: No irritant effect.

On the eye: Slight irritant effect on eyes.

Sensitization: No sensitizing effects known.

Not classified.

OTHER TOXICITY INFORMATION:

No additional information available.

ADDITIONAL TOXICOLOGICAL INFORMATION:

SAFETY DATA SHEET (SDS)
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PEX-2003, PRINCETON ORANGE

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The product is not subject to classification according to internally approved calculation methods or preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories:

NTP (National Toxicology Program): None of the ingredients listed

OSHA-Ca (Occupational Safety and Health Administration): None of the ingredients listed.

Probable Routes of Exposure:

Ingestion, inhalation, eye contact, skin contact.

Acute effects (acute toxicity, irritation and corrosivity from products as supplied): None

Repeated dose toxicity: No further relevant information available.

CMR effects (carcinogenicity, mutagenity and toxicity for reproduction):

Germ cell mutagenicity based on available data: The classification criteria are not met.

Carcinogenicity: This product does not contain known or suspect carcinogens.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION XII – ECOLOGICAL INFORMATION

Toxicity:

Aquatic toxicity: Diethylene Glycol, Species: Fish, Test: Mortality, Exposure: 96 hours, Result: Acute LC50 75200 mg/dL

Persistence and degradability: No further relevant information available

Behavior in environmental systems: No further relevant information available

Bio accumulative potential: No further relevant information available

Mobility in soil: No further relevant information available

Additional ecological information:

General note: Do not allow undiluted product or large quantities of it reach ground water, water course or sewage system.

Due to available data on eliminability/decomposition and bioaccumulation potential, prolonged long term damage of the environment cannot be excluded.

Other adverse effects: No further relevant information available.

SECTION XIII – DISPOSAL CONSIDERATIONS



DISPOSAL METHODS:

Waste treatment methods:

Recommendation:

Smaller quantities can be disposed of with household waste.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal of hazardous and non-hazardous wastes.

Uncleaned packaging:

SAFETY DATA SHEET (SDS)
According to OSHA HCS (29 CFR 1910.1200)

DATE ISSUED: 5/22/2024
PEX-2003, PRINCETON ORANGE

Version 1.0

Recommendation: Disposal must be made according to official regulations.

SECTION XIV – TRANSPORT INFORMATION

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

The information below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions.

TRANSPORT HAZARD CLASS (ES):

U.S. DOT hazard Class:	N/A
Canada TDG hazard class:	N/A
Europe ADR/RID hazard class:	N/A
IMDG Code (ocean) hazard class:	N/A
ICAO/IATA (air) hazard class:	N/A

A "N/A" listing for the hazard class indicates the product is not regulated for transport by that regulation.

ENVIRONMENTAL HAZARDS:

Marine pollutant:	N/A
Hazardous substance (USA):	N/A

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable

SPECIAL PRECAUTIONS FOR USER:

Not applicable

SECTION XV - REGULATORY INFORMATION

US/CANADA REGULATORY INFORMATION:

WHMIS (Canada) Status: This is not a WHMIS controlled product.

TSCA Inventory Status & TSCA Information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical substance Inventory.

TSCA 12 (b) Export Notification:

This material does not contain any TSCA 12 (b) regulated chemicals.

CERCLA REGULATED CHEMICALS:

This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:

This product does not contain any SARA 302 hazardous substance.

SARA 311 / 312 Hazard Class:

Contains 2,2'-oxybisethanol: Immediate (acute health hazard, delayed (chronic) health hazard.

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above the minimum levels.

HAPS (Hazardous Air Pollutants):

This material does not contain any hazardous air pollutants.

CALIFORNIA PROPOSITION 65:

This product does not contain any raw materials known or suspected to the state of California to cause cancer, birth defects, or any other reproductive harm.

SECTION XVI – OTHER INFORMATION

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HMIS			
Health: 1	Flammability: 1	Reactivity: 0	Personal Protection: X
NFPA			
Health: 1	Flammability: 1	Reactivity: 0	N/A

Key: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme. An asterisk appearing after the HMIS Health numerical rating denotes a chronic hazard. Hazardous Materials Identification System (HMIS), National Paint and Coating Association, rating applies to product "as packaged" (i.e., ambient temperature). Ratings are based upon HMIS® III and NFPA 704 (2007). An asterisk appearing after the HMIS Health® III Numerical rating denotes a chronic hazard. National Fire Protection Association (NFPA) rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

ACGIH: American Conference of Governmental Industrial Hygienists

N/A: Not Applicable

N/E: None Established

STEL: Short Term Exposure Limit

TWA: Time Weighted Average (exposure for 8-hour workday)

USERS RESPONSIBILITY/DISCLAIMER OF LIABILITY:

As the conditions or methods of use, handling, storage, use and disposal of the product are beyond Excel Color Corporation's control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs for your operation.

For this and other reasons, Excel Color Corporation does not assume responsibility and expressly disclaims liability for any loss damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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 Version 1.0: May 22, 2024