

Safety Data Sheet



1. Identification

Name on Label: Professional High Performance Protective Enamel

Product Name: PRO 1-GL 2PK SAFETY YELLOW 100VOC WB

Revision Date: 6/10/2025

Product Identifier: 393196

Supercedes Date: New SDS

Recommended Use: Topcoat

Supplier: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Manufacturer: Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061
USA

Preparer: Regulatory Department

Emergency Telephone: 24 Hour Hotline: 847-367-7700

2. Hazard Identification

Classification

Symbol(s) of Product

No symbol is required per 2024 OSHA Hazard Communication Standard 29 CFR 1910.1200.

Signal Word

No Signal Word has been assigned.

Possible Hazards

10% of the mixture consists of ingredient(s) of unknown acute toxicity.

3. Composition / Information on Ingredients

HAZARDOUS SUBSTANCES

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. % Range</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Bismuth Vanadate	14059-33-7	1.0-5.0	Not Available	Not Available
Titanium Dioxide	13463-67-7	1.0-5.0	Not Available	Not Available
2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate	25265-77-4	1.0-5.0	GHS06	H331
Propylene Glycol	57-55-6	1.0-5.0	Not Available	Not Available
Pigment Yellow 74	6358-31-2	0.5-1.5	Not Available	Not Available
Dipropylene Glycol Dibenzoate	27138-31-4	0.5-1.5	Not Available	Not Available
Dipropylene Glycol Monomethyl Ether	34590-94-8	0.1-1.0	Not Available	Not Available

Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether	9038-95-3	0.1-1.0	GHS06	H330
2,4,7,9-Tetramethyl-5-Decyne-4,7-Diol	126-86-3	0.1-1.0	GHS05-GHS07	H317-318
1-Octyl-2-Pyrrolidone	2687-94-7	0.1-1.0	GHS05	H314
Sodium Nitrite	7632-00-0	0.1-1.0	GHS03-GHS06-GHS07	H272-301+H331-319

Actual concentrations of ingredients are withheld as trade secret.

4. First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed. Remove contact lenses, if present and easy to do. Continue rinsing.

First Aid - Skin Contact: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA: Aqueous Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

Unusual Fire and Explosion Hazards: Keep containers tightly closed. No unusual fire or explosion hazards noted.

Special Fire Fighting Procedures: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

Special Fire and Explosion Hazard (Combustible Dust): Not a combustible dust.

6. Accidental Release Measures

Steps to Be Taken If Material Is Released or Spilled: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers

7. Handling and Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

Storage: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

Advice on Safe Handling of Combustible Dust: No Information

8. Exposure Controls / Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Bismuth Vanadate	14059-33-7	5.0	N.E.	N.E.	N.E.	N.E.
Titanium Dioxide	13463-67-7	5.0	0.2 mg/m3	N.E.	15 mg/m3	N.E.
2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate	25265-77-4	5.0	N.E.	N.E.	N.E.	N.E.
Propylene Glycol	57-55-6	5.0	N.E.	N.E.	N.E.	N.E.
Pigment Yellow 74	6358-31-2	5.0	N.E.	N.E.	N.E.	N.E.
Dipropylene Glycol Dibenzoate	27138-31-4	5.0	N.E.	N.E.	N.E.	N.E.

Dipropylene Glycol Monomethyl Ether	34590-94-8	1.0	50 ppm	N.E.	100 ppm	N.E.
Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether	9038-95-3	1.0	N.E.	N.E.	N.E.	N.E.
2,4,7,9-Tetramethyl-5-Decyne-4,7-Diol	126-86-3	1.0	N.E.	N.E.	N.E.	N.E.
1-Octyl-2-Pyrrolidone	2687-94-7	1.0	N.E.	N.E.	N.E.	N.E.
Sodium Nitrite	7632-00-0	1.0	N.E.	N.E.	N.E.	N.E.

PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 (U.S.) and/or SOR/86-304 Part XII 12.13 and CSA Standard Z180.1 (Canada) requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other Protective Equipment: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Engineering Measures for Combustible Dust: No Information

9. Physical and Chemical Properties

Physical State	Liquid	Decomposition Temperature, °C	N.D.
Color	Not Yet Specified	pH	N.A.
Odor	Mild	Kinematic Viscosity	N.D.
Odor Threshold	N.E.	Solubility in Water	Miscible
Freezing Point / Melting Point, °C	N.D.	Partition Coefficient, n-octanol/ water	N.D.
Boiling Range, °C	100 - 537	Vapor Pressure	N.D.
Flammability	Does not Support Combustion	Evaporation Rate	Slower than Ether
Lower Explosion Limit, vol%	0.6	Specific Gravity	1.106
Upper Explosion Limit, vol%	12.6	Vapor Density	Heavier than Air
Flash Point, °C	94	Particle Characteristics	N.A.
Auto-Ignition Temperature, °C	N.D.		

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

Conditions to Avoid: Avoid excess heat.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

11. Toxicological Information

Effects of Overexposure - Eye Contact: Irritating, and may injure eye tissue if not removed promptly.

Effects of Overexposure - Skin Contact: Low hazard for usual industrial handling or commercial handling by trained personnel.

Effects of Overexposure - Inhalation: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing

fumes, spray, vapors, or mist.

Effects of Overexposure - Ingestion: Substance may be harmful if swallowed.

Effects of Overexposure - Chronic Hazards: Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010)

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
13463-67-7	Titanium Dioxide	>2000 mg/kg Rat	6000	N.E.
25265-77-4	2,2,4-Trimethyl-1,3-Pentanediol	6500 mg/kg Rat	>15200 mg/kg Rat	>3.55 mg/L Rat
57-55-6	Monoisobutyrate	20000 mg/kg Rat	20800 mg/kg Rabbit	>20 mg/L
27138-31-4	Propylene Glycol	3914 mg/kg Rat	>2000 mg/kg Rat	N.E.
34590-94-8	Dipropylene Glycol Dibenzoate	5350 mg/kg Rat	9500 mg/kg Rabbit	>20 mg/L
9038-95-3	Dipropylene Glycol Monomethyl Ether	5000 mg/kg Rat	14904 mg/kg Rabbit	.1 mg/L Rat
126-86-3	Oxirane, 2-Methyl-, Polymer with Oxirane,	12900 mg/kg Rat	>2000 mg/kg Rat	N.E.
2687-94-7	Monobutyl Ether	2050 mg/kg Rat	>4000 mg/kg Rat	N.E.
7632-00-0	2,4,7,9-Tetramethyl-5-Decyne-4,7-Diol	85 mg/kg Rat	N.E.	5.5 mg/L Rat
	1-Octyl-2-Pyrrolidone			
	Sodium Nitrite			

N.E. - Not Established

12. Ecological Information

Ecological Information: No ecotoxicity data was found for this product.

13. Disposal Considerations

Disposal: Dispose of material in accordance to local, state, and federal regulations and ordinances.

14. Transport Information

	<u>Domestic (USDOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>TDG (Canada)</u>
UN Number:	N.A.	N.A.	N.A.	N.A.
Proper Shipping Name:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Hazard Class:	N.A.	N.A.	N.A.	N.A.
Packing Group:	N.A.	N.A.	N.A.	N.A.
Limited Quantity:	No	No	No	No

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

None Known

SARA Section 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Bismuth Vanadate	14059-33-7
Sodium Nitrite	7632-00-0
Pigment Green 7	1328-53-6

Toxic Substances Control Act

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<u>Chemical Name</u>	<u>CAS-No.</u>
Sodium Nitrite	7632-00-0

U.S. State Regulations:**California Proposition 65**

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

16. Other Information**HMIS RATINGS**

Health: 2* Flammability: 1 Physical Hazard: 0 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 1 Instability: 0

Volatile Organic Compounds: 99 g/L

SDS REVISION DATE: 6/10/2025

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.D. - Not Determined, N.E. - Not Established

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.