SAFETY DATA SHEET

SEMI-GLOSS ENAMEL

Revised Date: 10-05-16 Supersedes: 08-27-15

1. Identification

Product identifier	Semi-Gloss Enamel
Other means of identification	TT-E-529 / 300 Series
SDS number	17
Synonyms	Pigmented- Alkyd Resin Solution
Recommended use	Not available.
Recommended restrictions	Not available.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer/Supplier	Farwest Paint Manufacturing Co. 4522 South 133rd Street, Tukwila, Washington 98168
General Assistance	(Farwest) (206) 244-8844
E-Mail	Not available.
Contact Person	Not available.
Emergency Telephone	(Chemtrec) (800)424-9300 24 Hour Emergency Assistance

2. Hazard(s) Identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1A
	Reproductive toxicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 1
	Aspiration hazard	Category 1

Label elements

Signal word Danger

Unknown Toxicity 82.40 % of the mixture consists of ingredient(s) of unknown toxicity.

Hazard statement Flammable liquid and vapour. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to lungs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Precautionary statement

Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Response	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. In case of fire: Use for foam, CO_2, Dry Chemical, Water or Water fog extinction. IF exposed or concerned: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.

3. Composition/information on ingredients

Mixture

Chemical name	CAS number	%
Petroleum naptha	64742-48-9	27
Titanium Dioxide (TiO2)	13463-67-7	8
Acrylonitrile/Styrene/Acrylate Resin	26299-47-8	<1
Quartz	14808-60-7	<0.1

4. First-aid measures

Inhalation	Remove victim to fresh air. If respiratory symptoms develop, seek medical attention at once.
Skin contact	Promptly wash with soap and water. Remove and wash contaminated clothing before reuse.

Eye contact	Flush with large quantities of water for 15 minutes and seek medical attention.
Ingestion	If ingested do not induce vomiting; keep person warm and quiet and get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.
Most important symptoms/effects, acute and delayed	Excessive exposure to vapor or spray mist can result in headache, dizziness, nausea and loss of consciousness. Some reports have associated prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Can cause irritation sensitization of defatting of the skin of upon prolonged contact. Amounts ingested incidental to consumer and industrial handling are not likely to cause injury. However, ingestion of larger amounts could cause serious injury.
Indication of immediate medical attention and special treatment needed	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
General information	If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

5. Fire-fighting measures

Suitable extinguishing media	Foam, CO_2, Dry Chemical, Water or Water Fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form an explosive mixture in air and may be ignited by sparks, pilot lights etc. Closed containers may rupture when exposed to extreme heat.
Special protective equipment and precautions for firefighters	Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus. Evacuate area of unprotected personnel. Wear protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary and unprotected personnel from entering. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section

Methods and materials for containment and cleaning up	8 of the SDS for Personal Protective Equipment. Remove all sources of ignition. Ventilate area .Absorb spill with an absorbent material such as saw dust, vermiculate or sand and place material into closed container. If large spill, dike area to prevent this material from entering water system or sewers. Wear protective equipment during cleanup.

7. Handling and storage

Precautions for safe handling	Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to contact skin. Wear suitable protective equipment. Refer to section 8 for "Exposure controls / personal protection."
Conditions for safe storage, including any incompatibilities	Keep away from heat and flame. This material may cause sensitization. Do not weld on full or empty containers. Keep containers closed when not in use, and properly labeled.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Petroleum naptha	PEL (TWA)	500 ppm (2000 mg/m^3)
Titanium dioxide (TiO_2)	PEL (TWA)	15 mg/m^3
Silica	PEL(TWA)	250[b] (resp) $\%SiO_2+5$ 10 mg/m^3 [e] (resp) $\%SiO_2+2$

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Titanium dioxide (TiO_2)	TWA	15 mg/m^3

US. OSHA Table Z-2 (29 CFR 1910.1000)

None of the compounds are listed.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silica	TWA	250[b] (resp) $\%SiO_2+5$

		10 mg/m³ e (resp) %SiO_2+2 30 mg/m³ (total) %SiO_2+2

US. ACGIH Threshold Limit Values

Components	Type	Value
Titanium dioxide (TiO_2)	TLV (TWA)	10 mg/m³

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Petroleum naptha	REL (TWA)	350 mg/m³
	REL (Ceiling)	1800 mg/m³ [15-minute]

Appropriate engineering controls General ventilation is required during normal use. Local ventilation may be required during certain operations to keep exposure level below the limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear face shield or chemical goggles.

Skin protection

Hand protection Wear chemical resistant nitrile, neoprene or rubber gloves.

Other Wear protective clothing to prevent skin contact. Eye wash station and safety shower should be available.

Respiratory protection A canister-type respirator must be worn to prevent the inhalation of vapors or spray mist when the TLV are PEL is exceeded.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Keep work area clean and free from spills and leaks. Always wash hands thoroughly with soap and water before handling food, drink or smoking.

9. Physical and chemical properties

Appearance	Oily liquid.
Physical state	Liquid.
Form	Liquid.
Color	Color of tint.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	307-389 °F
Flash point	107 °F
Evaporation rate	Slower than ether.
Flammability (solid, liquid, gas)	Flammable liquid and vapor.

Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not available.
Flammability limit – upper (%)	Not available.
Explosive limit - lower (%)	0.7
Explosive limit - upper (%)	Not available.
Vapor pressure	2.6 mmHg at 20 °C
Vapor density	Heavier than air.
Volatile by volume (%)	46 %
Volatile organic compounds (VOCs)	437 Grams/Liter (Less Water)
Density (Weight/Gallon)	11.4 lbs
Solubility(ies)	
Solubility (water)	Nil.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Hazardous polymerization reaction will not occur.
Conditions to avoid	Heat, sparks and open flame. If product contains aluminum, moisture in closed containers will generate hydrogen gas.
Incompatible materials	Strong oxidants, acids, bases and epoxy hardeners under uncontrolled conditions.
Hazardous decomposition Products	Incomplete combustion can yield carbon monoxide and toxic vapors.

11. Toxicological information

Information on likely routes of exposure	
Ingestion	May be harmful if swallowed.
Inhalation	May cause headache, dizziness, nausea and loss of consciousness.
Skin contact	May cause irritation, sensitization or defatting of skin upon repeated contact.
Eye contact	Irritation of the eyes.
Symptoms related to the physical, chemical and toxicological characteristics	May cause irritation, sensitization, or defeating of skin upon prolonged or repeated contact. Vapors or spray mist can result in headache, dizziness, nausea and loss of consciousness. Some reports associated with prolonged exposure results in

	permanent brain and nervous system damage.
Delayed and immediate effects and also chronic effects from short- and long-term exposure	Irritation, sensitization, or defeating of skin. Headache, dizziness, nausea and loss of consciousness. Prolonged exposure results in permanent brain and nervous system damage.

Numerical measures of toxicity

Components	**Test**	**Species**	**Test Results**
Titanium dioxide (CAS 13463-67-7)	Oral LD_{50}	Rat	>5000 mg/kg
	Inhalation LC_{50}	Rat	> 3.43 mg/l, 4h
Petroleum naptha (CAS 64742-48-9)	Oral LD_{50}	Rat	>5000 mg/kg
	Dermal LD_{50}	Rabbit	> 2000 mg/kg
	Inhalation LC_{50}	Rat	> 5610 mg/m^3, 4h
Quartz (CAS 14808-60-7)	Oral LD_{50}	Rat	>2000 mg/kg

Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory or skin sensitization	
Respiratory sensitization	No data available.
Skin sensitization	No data available.
Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	May cause cancer.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Titanium dioxide (CAS 13463-67-7)	2 " Possibly carcinogenic to humans"
Quartz (CAS 14808-60-7)	1 "Carcinogenic to humans"
NTP Report on Carcinogens	
Titanium dioxide (CAS 13463-67-7)	Not listed.
Quartz (CAS 14808-60-7)	Known to be human Carcinogen.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Titanium dioxide (CAS 13463-67-7)	Not listed.
Reproductive toxicity	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Causes damage to lungs through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.

12. Ecological information

Numerical measures of toxicity

Components	Test	Species	Test Results
Titanium dioxide (CAS 13463-67-7)	Crustacea EC_{50}	Water flea (*Daphnia magna*)	>100 mg/l, 48h

Persistence and degradability Not available.
Bioaccumulative potential Not available.
Partition coefficient n-octanol / water (log Kow) Not available.
Mobility in soil Not available.
Other adverse effects Not available.

13. Disposal considerations

Disposal instructions If discarded, this materials and containers should be treated as hazardous waste based on the characteristic of ignitability as defined under Federal RCRA Regulations(40 CFR 261). Disposal of this material or its containers requires compliance with applicable labeling, packaging and record keeping standards.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT

UN number 1263
UN proper shipping name PAINT
Transport hazard class(es)
Class 3
Subsidiary risk -
Label(s) 3-Flammable liquid

Packing group III
Environmental hazards
Marine pollutant Yes
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	1263
UN proper shipping name	Paint
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3-Flammable liquid

Packing group	III
Environmental hazards	Yes
ERG Code	3L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	1263
UN proper shipping name	PAINT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3-Flammable liquid

Packing group	III
Environmental hazards	
Marine pollutant	Yes
EMS	F-E, S-D
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Some components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None of the ingredients in this product is listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Titanium dioxide (CAS 13463-67-7)	Listed
Petroleum naptha (CAS 64742-4-9)	Listed
Silica (CAS 14808-60-7)	Listed

CERCLA Hazardous Substance List (40 CFR 302.4)

None of the ingredient in this product is listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard	-	Yes
	Delayed Hazard	-	Yes
	Fire Hazard	-	Yes
	Pressure Hazard	-	No
	Reactivity Hazard	-	No

SARA 302/304 Extremely hazardous substance

None of the ingredients in this product is listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

None of the ingredients in this product is listed.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

None of the ingredients in this product is listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None of the ingredients in this product is listed.

Safe Drinking Water Act (SDWA)

None of the ingredienst in this product is listed.

US State regulations

WARNING: This product contains chemicals known to the State of California to cause cancer.

US. New Jersey Worker and Community Right-to-Know Act

Titanium dioxide (CAS 13463-67-7)
Quartz (CAS 14808-60-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Titanium dioxide (CAS 13463-67-7)
Quartz (CAS 14808-60-7)

US. California Proposition 65

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Titanium dioxide (CAS 13463-67-7)

Quartz (CAS 14808-60-7)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
United States & Puerto Rico	Toxic Substances Control ACT (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

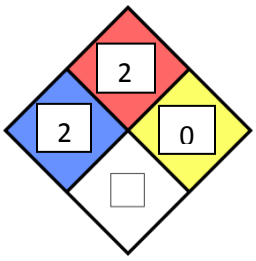
16. Other information, including date of preparation or last revision

Issue date SEPT 1991

Revision date 08-27-2015

Version # 01

NFPA Ratings



References

ACGIH
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents
HSDB - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity
National Toxicology Program (NTP) Report on Carcinogens

Disclaimer

The information, recommendations, and suggestions presented in this SDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data

under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations. All materials may present unknown hazards and should be used with caution.