

Safety Data Sheet

according to OSHA HCS 2012 (CFR 29 1910.1200)

Printing date: 07/07/2015

Revised on: 07/07/2015

1 Identification

- **Product identifier:**
- **Product Name:** Quick Dry Enamel
- **Product Number:** 951-94
- **Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.
- **Manufacturer/Supplier:**
O'Leary Paint Company
300 E Oakland Ave
LANSING, MI 48906
USA
- **Information telephone number:** 330-455-5125
- **Emergency telephone number:** 330-455-5125

2 Hazard identification

- **Classification of the substance or mixture:**
 Flam. Liq. 2 H225 Highly flammable liquid and vapor.
 Skin Irrit. 2 H315 Causes skin irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 Muta. 1B H340 May cause genetic defects.
 Carc. 1A H350 May cause cancer.
 Repr. 2 H361 Suspected of damaging fertility or the unborn child.
 STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.
 Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
 toluene
 titanium dioxide
 Naphtha (petroleum), hydrotreated heavy
 ethylbenzene
 Quartz (SiO₂)
 2-butanone oxime
 2-Ethylhexanoic Acid, Zirconium Salt

- **Hazard statements:**
 Highly flammable liquid and vapor.
 Causes skin irritation.
 May cause an allergic skin reaction.
 May cause genetic defects.
 May cause cancer.
 Suspected of damaging fertility or the unborn child.
 May cause damage to the hearing organs through prolonged or repeated exposure.
 May be fatal if swallowed and enters airways.
- **Precautionary statements:**
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Use explosion-proof electrical/ventilating/lighting/equipment.

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Do not breathe dust/fume/gas/mist/vapors/spray.
 Wear protective gloves / eye protection / face protection.
 Ground/bond container and receiving equipment.
 Keep container tightly closed.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Wash thoroughly after handling.
 Contaminated work clothing must not be allowed out of the workplace.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 If swallowed: Immediately call a doctor.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 Specific treatment (see on this label).
 Wash contaminated clothing before reuse.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation or rash occurs: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.
 Do NOT induce vomiting.
 In case of fire: Use for extinction: CO₂, sand, extinguishing powder.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Store in a well-ventilated place. Keep cool.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)



Health = 2
 Fire = 3
 Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = *2
 Fire = 3
 Reactivity = 0

Other hazards:

Results of PBT and vPvB assessment:

- PBT:** Not applicable.
- vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixture

Description: Mixture of the substances listed below with nonhazardous additions.

Hazardous components:

471-34-1	calcium carbonate	10-20%
1330-20-7	xylene	10-<12.5%
108-88-3	toluene	10-<15%
107-87-9	pentan-2-one	5-<10%
13463-67-7	titanium dioxide	5-<10%
100-41-4	ethylbenzene	2.5-5%
123-86-4	n-butyl acetate	1-2.5%
108-10-1	4-methylpentan-2-one	0.1-≤1%
22464-99-9	2-Ethylhexanoic Acid, Zirconium Salt	0.1-<1%

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14808-60-7	Quartz (SiO ₂)	0.1-≤0.5%
96-29-7	2-butanone oxime	0.1-≤0.5%
64742-48-9	Naphtha (petroleum), hydrotreated heavy	0.1-≤0.5%

4 First-aid measures:

· Description of first aid measures:

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **For inhalation:** In case of unconsciousness place patient stably in side position for transportation.

· **For skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **For eye contact:** Rinse opened eye for several minutes under running water.

· For swallowing:

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

· Information for doctor:

· **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

5 Fire-fighting measures:

· Extinguishing media:

· **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· Advice for firefighters:

· **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures:

· Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binder or other inert absorbent).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage:

· Handling:

· Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

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Open and handle receptacle with care.

Prevent formation of aerosols.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection:

Additional information about design of technical systems: No further data; see item 7.

Control parameters:

Components with limit values that require monitoring at the workplace:

471-34-1 calcium carbonate

PEL Long-term value: 15* 5** mg/m³
*total dust **respirable fraction

REL Long-term value: 10* 5** mg/m³
*total dust **respirable fraction

TLV TLV withdrawn

1330-20-7 xylene

PEL Long-term value: 435 mg/m³, 100 ppm

REL Short-term value: 655 mg/m³, 150 ppm
Long-term value: 435 mg/m³, 100 ppm

TLV Short-term value: 651 mg/m³, 150 ppm
Long-term value: 434 mg/m³, 100 ppm
BEI

108-88-3 toluene

PEL Long-term value: 200 ppm
Ceiling limit value: 300; 500* ppm
*10-min peak per 8-hr shift

REL Short-term value: 560 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm

TLV Long-term value: 75 mg/m³, 20 ppm
BEI

107-87-9 pentan-2-one

PEL Long-term value: 700 mg/m³, 200 ppm

REL Long-term value: 530 mg/m³, 150 ppm

TLV Short-term value: 529 mg/m³, 150 ppm

100-41-4 ethylbenzene

PEL Long-term value: 435 mg/m³, 100 ppm

REL Short-term value: 545 mg/m³, 125 ppm
Long-term value: 435 mg/m³, 100 ppm

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TLV	Long-term value: 87 mg/m ³ , 20 ppm BEI
123-86-4 n-butyl acetate	
PEL	Long-term value: 710 mg/m ³ , 150 ppm
REL	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 713 mg/m ³ , 150 ppm
Ingredients with biological limit values:	
1330-20-7 xylene	
BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
108-88-3 toluene	
BEI	0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene 0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene 0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)
100-41-4 ethylbenzene	
BEI	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls:**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before eating, smoking, using the restroom and at the end of the workday.

Store protective clothing separately.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low concentrations, use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties:

General Information:

Appearance:

Form:	Liquid
Color:	Deep Tint Base
Odor:	Solvent Like
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition:

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	101 °C (214 °F)

Flash point: 13 °C (55 °F)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 500 °C (932 °F)

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits:

Lower:	1.1 Vol %
Upper:	7.0 Vol %

Vapor pressure at 20 °C (68 °F): 29 hPa (22 mm Hg)

Density at 20 °C (68 °F): 1.202 g/cm³ (10.031 lbs/gal)

Relative density: Not determined.

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· Vapour density:	Heavier than air.
· Evaporation rate:	Slower than ether.
· Solubility in / Miscibility with: Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	35.0 %
VOC content:	35.0 %
	<420 g/l
· Solids content:	65.0 %
· Other information:	No further relevant information available.

10 Stability and reactivity

- **Reactivity:**
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Do not store or use near sparks, flame, or other ignition sources.
- **Incompatible materials:** Strong acids and alkalis, bleach, strong oxidizers.
- **Hazardous decomposition products:**
Burning may yield carbon monoxide, carbon dioxide, oxides of nitrogen, and various hydrocarbons.

11 Toxicological information

- **Information on toxicological effects:**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

1330-20-7 xylene		
Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
108-88-3 toluene		
Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)
64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

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Carcinogenic.

The product can cause inheritable damage.

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**

1330-20-7	xylene	3
108-88-3	toluene	3
13463-67-7	titanium dioxide	2B
100-41-4	ethylbenzene	2B
108-10-1	4-methylpentan-2-one	2B
14808-60-7	Quartz (SiO ₂)	1
68955-83-9	Fatty Acids, C9-13-neo-, cobalt salts	2B
27253-31-2	Neodecanoic Acid,, cobalt salt	2B

· **NTP (National Toxicology Program):**

14808-60-7	Quartz (SiO ₂)	K
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· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients is listed.

12 Ecological information

· **Toxicity:**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability:** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential:** No further relevant information available.

· **Mobility in soil:** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· **Results of PBT and vPvB assessment:**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects:** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods:**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information:

· **UN-Number:**

· **DOT, IMDG, IATA** UN1263

· **UN proper shipping name:**

· **DOT** Paint

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· IMDG, IATA	PAINT
· Transport hazard class(es):	
· DOT	
	
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group:	
· DOT, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user:	Warning: Flammable liquids
· Danger code (Kemler):	33
· EMS Number:	F-E,S-E
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations:	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· IMDG	
· Limited quantities (LQ):	5L
· Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN1263, Paint, 3, II

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture:

· SARA:

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

1330-20-7	xylene
108-88-3	toluene
100-41-4	ethylbenzene
108-10-1	4-methylpentan-2-one

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71-36-3	butan-1-ol
68955-83-9	Fatty Acids, C9-13-neo-, cobalt salts
27253-31-2	Neodecanoic Acid,, cobalt salt
111-77-3	2-(2-methoxyethoxy)ethanol

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65:
· Chemicals known to cause cancer:

13463-67-7	titanium dioxide
100-41-4	ethylbenzene
108-10-1	4-methylpentan-2-one
14808-60-7	Quartz (SiO ₂)

· Chemicals known to cause reproductive toxicity for females:

108-88-3	toluene
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· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

108-88-3	toluene
108-10-1	4-methylpentan-2-one

· Carcinogenic categories:
· EPA (Environmental Protection Agency)

1330-20-7	xylene	I
108-88-3	toluene	II
100-41-4	ethylbenzene	D
108-10-1	4-methylpentan-2-one	I
71-36-3	butan-1-ol	D

· TLV (Threshold Limit Value established by ACGIH)

1330-20-7	xylene	A4
108-88-3	toluene	A4
13463-67-7	titanium dioxide	A4
100-41-4	ethylbenzene	A3
14808-60-7	Quartz (SiO ₂)	A2

· NIOSH-Ca (National Institute for Occupational Safety and Health)

13463-67-7	titanium dioxide
14808-60-7	Quartz (SiO ₂)

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:


GHS02 GHS07 GHS08

· Signal word: Danger

· Hazard-determining components of labeling:
toluene
titanium dioxide

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Naphtha (petroleum), hydrotreated heavy ethylbenzene

Quartz (SiO₂)

2-butanone oxime

2-Ethylhexanoic Acid, Zirconium Salt

Hazard statements:

Highly flammable liquid and vapor.

Causes skin irritation.

May cause an allergic skin reaction.

May cause genetic defects.

May cause cancer.

Suspected of damaging fertility or the unborn child.

May cause damage to the hearing organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

Precautionary statements:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear protective gloves / eye protection / face protection.

Ground/bond container and receiving equipment.

Keep container tightly closed.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wash thoroughly after handling.

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

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

If swallowed: Immediately call a doctor.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Specific treatment (see on this label).

Wash contaminated clothing before reuse.

IF exposed or concerned: Get medical advice/attention.

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

Get medical advice/attention if you feel unwell.

Do NOT induce vomiting.

In case of fire: Use for extinction: CO₂, sand, extinguishing powder.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:

Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.

Exceptions can be made by the authorities in certain cases.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

Department issuing SDS: Laboratory

Contact: Laboratory Manager

Date of preparation / last revision: 07/07/2015 / -

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

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DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Muta. 1B: Germ cell mutagenicity, Hazard Category 1B
Carc. 1A: Carcinogenicity, Hazard Category 1A
Repr. 2: Reproductive toxicity, Hazard Category 2
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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