


1. IDENTIFICATION OF THE MIXTURE AND OF THE SUPPLIER	
Product Identifier	
Product	Etch Primer Grey [82-3000]
Recommended use of chemical	Use as paint for coating
Restriction on use	No open flames, No spraks, and No smoking
Supplier's details	
Company	Big-Ben (Paints) Company Limited
Address	38 Mu 7 Suanluangruamjai Road Suanluang Krathumban Samutsakorn 74110 Thailand
Telephone number	+66 2 811 1442 or +66 2 811 1443
Fax number	+66 2 811 0632
E-mail	bbp@bbp.co.th
Emergency phone number	+66 2 811 1442 or + 66 2 811 1443

2. HAZARD IDENTIFICATION	
Classification of the substance or mixture This product has been classified in accordance with the hazard communication standard 29 CSR 1910.1200; the SDS and labels contain all the information as required by the standard.	
Flammable liquids	Category 1
Acute toxicity - oral	Category 3
Acute toxicity - dermal	Category 1
Skin corrosion/irritation	Category 2
Eye damage/irritation	Category 2A
Sentization - respiratory	Category 1
Specific target organ toxicity (single exposure)	Category 3
Hazardous to the aquatic environment - acute hazard	Category 1
Hazardous to the aquatic environment - long-term hazard	Category 1
Remark: Percentage of mixture consisting of ingredient(s) of unknown oral toxicity: 55.39% Percentage of mixture consisting of ingredient(s) of unknown dermal toxicity: 66.95% Percentage of mixture consisting of ingredient(s) of unknown inhalation toxicity: 37.50%	
GHS label elements	
Pictogram or symbol	
Signal word	Danger

Hazard statement: H224 Extremely flammable liquid and vapour H301 Toxic if swallowed H310 Fatal in contact with skin H315 Causes skin irritation H319 Causes serious eye irritation H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects	
Precautionary statement	

[PREVENTION]

- P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground / bond container and receiving equipment.
- P241 Use explosion-proof electrical / ventilating / lighting / equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / protective clothing / eye protection / face protection.
- P285 In case of inadequate ventilation wear respiratory protection.

[RESPONSE]

- P301+P310 IF SWALLOWED Immediately call a POISON CENTER or doctor / physician.
- P302+P350 IF ON SKIN Gently wash with plenty of soap and water.
- P302+P352 IF ON SKIN Wash with plenty of soap and water.
- P303+P361+P353 IF ON SKIN (or hair) Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P304+P340 IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P304+P341 IF INHALED If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor / physician.
- P312 Call a POISON CENTER or doctor / physician if you feel unwell.
- P321 Specific treatment (see on this label).
- P322 Specific measures (see on this label).
- P330 Rinse mouth.
- P332+P313 IF skin irritation occursGet medical advice / attention.
- P337+P313 IF eye irritation persistsGet medical advice / attention.
- P342+P311 IF experiencing respiratory symptoms Call a POISON CENTER or doctor / physician.
- P361 Remove / Take off immediately all contaminated clothing.
- P362 Take off contaminated clothing and wash before reuse.
- P363 Wash contaminated clothing before reuse.
- P370+P378 In case of fire Use dry sand, dry chemical or alcohol-resistant foam for extinction.
- P391 Collect spillage.

[STORAGE]

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

[DISPOSAL]

- P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

3. COMPOSITION AND INFORMATION ON INGREDIENTS		
Chemical name	CAS No.	Content % (w/w)
1-Butanol	71-36-3	4.75 - 6.79
2-PROPANOL	67-63-0	1.67 - 3.64
4-Methyl-2-pentanone	108-10-1	3.91 - 6.12
Acetic acid ethenyl ester	68648-78-2	2.97 - 5.32
Acetone	67-64-1	1.46 - 2.28
Butyl Acetate	123-86-4	11.52 - 19.82
Cellulose nitrate	9004-70-1	3.20 - 9.20
Dibutyl Phthalate	84-74-2	1.69 - 3.99
Formaldehyde	25054-06-2	3.88 - 6.99
Talcum powder	14807-96-6	7.96 - 21.08
Titanium Dioxide	13463-67-7	3.77 - 8.56
Xylene	1330-20-7	10.03 - 31.57
Yellow Iron Oxide	51274-00-1	1.57 - 2.07
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	1.17 - 2.39
dizinc(2+) potassium bis(dioxochromiumbis(olate)) hydroxide	11103-86-9	2.32 - 3.93

4. FIRST AND MEASURES	
Inhalation	Remove to fresh air. If unconscious, place in recovery position and seek medical attention immediately.
Skin contact	Immediately flush with water for at least 15 minutes. Remove contaminated clothing. Seek medical attention immediately. Wash thoroughly after handling.
Eye contact	Hold eyelids apart and immediately flush with plenty of water for 15 minutes. Seek medical advice. Remove contact lenses.
Ingestion	Rinse mouth with water. Never give anything by mouth to an unconscious person. Obtain medical attention. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.
Most important symptoms/effects, acute and delayed	Dizziness. Drowsiness. Headache. Nausea. Vomiting. Weakness. Unconsciousness. Skin and eye redness. Pain. Nausea. Vomiting.

5. FIRE FIGHTING MEASURES	
Suitable extinguishing media	Dry chemical. Carbon Dioxide (CO ₂). Alcohol-resistant foam. Water spray.
Unsuitable extinguishing media	High volume water jet.
Specific hazards arising from the chemical	Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back. Container may rupture on heating.
Specific protective equipment and precautions for firefighters	Wear self-contained breathing apparatus and full protective clothing for firefighting.

6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment, and emergency procedures	Keep unnecessary personnel away. Prevent further leakage or spillage if safe to do so. Use personal protective equipment. Use only non-sparking tools.
Environmental precautions	Prevent the material from entering drains or water courses.
Methods and materials for containment and cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

7. HANDLING AND STORAGE	
Precautions for safe handling	Avoid breathing vapor and contact with eyes, skin, and clothing. Do not leave containers open. Avoid repeated or prolonged contact with skin.
Conditions for safe storage, including any incompatibilities	Keep away from heat or flames. Keep in cool, dry, ventilated storage and in closed containers. Store away from oxidizing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Control parameters	<p><u>1-Butanol</u> OSHA</p> <p>PEL-TWA 100 ppm (300 mg/m³)²³ Skin notification N²³ NIOSH</p> <p>REL-C 50 ppm (150 mg/m³)²³ Skin notification Y²³ ACGIH</p> <p>TLV-TWA 20 ppm [1998]²³ Skin notification N²³ CAL/OSHA</p> <p>PEL-C 50 ppm (150 mg/m³)²³ Skin notification Y²³</p> <p><u>2-PROPANOL</u> OSHA</p> <p>PEL-TWA 400²⁴ Skin notification N²⁴ NIOSH</p> <p>REL-TWA 400²⁴ REL-STEL 500²⁴ Skin notification N²⁴ ACGIH</p> <p>TLV-TWA 200²⁴ TLV-STEL 400²⁴</p> <p><u>4-Methyl-2-pentanone</u> OSHA</p> <p>PEL-TWA 100²⁵ Skin notification N²⁵ NIOSH</p> <p>REL-TWA 50²⁵ REL-STEL 75²⁵ Skin notification N²⁵ ACGIH</p> <p>TLV-TWA 20²⁵ TLV-STEL 75²⁵ Skin notification N²⁵ CAL/OSHA</p> <p>PEL-TWA 50²⁵ PEL-STEL 75²⁵ Skin notification N²⁵</p> <p><u>Acetic acid ethenyl ester</u> <u>Acetone</u> OSHA</p> <p>PEL-TWA 1000²⁶ Skin notification N²⁶ NIOSH</p> <p>REL-TWA 250²⁶ Skin notification N²⁶ ACGIH</p> <p>TLV-TWA 2500²⁶</p>

TLV-STEL 500²⁶
Skin notification N²⁶
CAL/OSHA
PEL-TWA 500²⁶
PEL-STEL 750²⁶
PEL-C 3000²⁶
Skin notification N²⁶
Butyl Acetate
OSHA
PEL-TWA 150²⁷
Skin notification N³²
NIOSH
REL-TWA 150³²
REL-STEL 200³²
Skin notification N³²
ACGIH
TLV-TWA 50³²
TLV-STEL 150³²
Skin notification N
CAL/OSHA
PEL-TWA 150³²
PEL-STEL 200³²
Skin notification N³²
Cellulose nitrate
Dibutyl Phthalate
OSHA
PEL-TWA 5 mg/m³²⁸
Skin notification N²⁸
NIOSH
REL-TWA 5 mg/m³²⁸
Skin notification N²⁸
ACGIH
TLV-TWA 5 mg/m³²⁸
Skin notification N²⁸
CAL/OSHA
PEL-TWA 5 mg/m³²⁸
Skin notification N²⁸
Formaldehyde
Talcum powder
OSHA
PEL-TWA 20 mppcf²⁹
Skin notification N
NIOSH
REL-TWA 2 mg/m³ (resp)
Skin notification N
ACGIH
TLV-TWA 2 mg/m³ (respirable particulate matter) [2009]
Skin notification N
CAL/OSHA
PEL-TWA 2 mg/m³ (respirable dust)
Skin notification N
Titanium Dioxide
OSHA
PEL-TWA 15³⁰
Skin notification N³⁰
NIOSH
Skin notification N³⁰

	ACGIH TLV-TWA 10 ³⁰ Skin notification N ³⁰ CAL/OSHA PEL-TWA 10 ³⁰ Skin notification N ³⁰ <u>Xylene</u> OSHA PEL-TWA 100 ³¹ Skin notification N ³¹ NIOSH REL-TWA 100 ³¹ Skin notification N ³¹ ACGIH TLV-TWA 100 ³¹ TLV-STEL 150 ³¹ Skin notification N ³¹ CAL/OSHA PEL-TWA 100 ³¹ PEL-STEL 150 ³¹ PEL-C 300 ³¹ Skin notification N ³¹ <u>Yellow Iron Oxide</u> <u>[3-(2,3-epoxypropoxy)propyl]trimethoxysilane</u> <u>dizinc(2+) potassium bis(dioxochromiumbis(olate)) hydroxide</u>
Appropriate engineering controls	Provide adequate ventilation. Install local exhaust.
Personal protective equipment	
Respiratory protection	Organic vapor respirator
Hand protection	Rubber gloves. Neoprene.
Eye protection	Safety goggle.
Skin and body protection	Wear suitable clothing
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	High viscosity liquid paint
Odor	Organic solvent
Odor threshold	Not Available
pH	Not Available
Melting point/freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash point	< 23
Evaporation rate	Not Available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not Available Not Available
Vapor pressure	Not Available
Vapor density	Not Available
Relative density	1.10-1.20
Solubility(ies)	Soluble in Organic solvent
Partition coefficient n-Octanol-water	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	90-100 KU @ 30 C

10. STABILITY AND REACTIVITY	
Reactivity	Reacts violently with strong acids and strong oxidants
Chemical stability	Stable under normal storage and handling conditions
Possibility of hazardous reaction	Will not occur
Condition to avoid	High temperatures, sparks, open flame, and all other sources of ignition
Incompatible materials	Strong oxidizing agents, strong acids
Hazardous decomposition products	Not available

11. TOXICOLOGICAL INFORMATION	
Acute toxicity (oral)	<p>ATEmix = 143.91 mg/kg (Category 3)</p> <p>1-Butanol LD50 (rat) oral = 790.00 mg/kg¹</p> <p>2-PROPANOL LD50 (rat) oral = 4710.00 mg/kg²</p> <p>Acetone LD50 (rat) oral = 5800.00 mg/kg³</p> <p>Butyl Acetate LD50 (rat) oral = 10736.00 mg/kg⁴</p> <p>Dibutyl Phthalate LD50 (rat) oral = 6300.00 mg/kg⁵</p> <p>Titanium Dioxide LD50 (rat) oral = 10000.00 mg/kg⁶</p> <p>Yellow Iron Oxide LD50 (rat) oral = 10000.00 mg/kg⁷</p> <p>[3-(2,3-epoxypropoxy)propyl]trimethoxysilane LD50 (rat) oral = 7.50 mg/kg⁸</p> <p>dizinc(2+) potassium bis(dioxochromiumbis(olate)) hydroxide LD50 (rat) oral = 57.18 mg/kg⁹</p>
Acute toxicity (dermal)	<p>ATEmix = 20.94 mg/kg (Classify 1)</p> <p>1-Butanol LD50 (rabbit) dermal = 3400.00 mg/kg¹</p> <p>2-PROPANOL LD50 (rabbit) dermal = 12870.00 mg/kg²</p> <p>Acetone LD50 (rabbit) dermal = 7426.00 mg/kg³</p> <p>Butyl Acetate LD50 (rabbit) dermal = 16.00 mg/kg⁴</p> <p>Dibutyl Phthalate LD50 (rabbit) dermal = 4.00 mg/kg⁵</p> <p>[3-(2,3-epoxypropoxy)propyl]trimethoxysilane LD50 (rabbit) dermal = 3.97 mg/kg⁸</p>
Acute toxicity (dermal)	<p>ATEmix = 44.27 mg/kg (Not classified)</p> <p>1-Butanol LC50 (rat) inhalation = 8000.00 mg/kg¹</p> <p>2-PROPANOL LC50 (rat) inhalation = 72.60 mg/kg²</p> <p>4-Methyl-2-pentanone LC50 (rat) inhalation = 11.60 mg/kg¹⁰</p> <p>Acetone LC50 (rat) inhalation = 76.00 mg/kg³</p> <p>Butyl Acetate LC50 (rat) inhalation = 740.00 mg/kg⁴</p> <p>Dibutyl Phthalate LC50 (rat) inhalation = 15.68 mg/kg⁵</p> <p>Xylene LC50 (rat) inhalation = 6360.00 mg/kg¹¹</p> <p>Yellow Iron Oxide LC50 (rat) inhalation = 5.05 mg/kg⁷</p> <p>[3-(2,3-epoxypropoxy)propyl]trimethoxysilane LC50 (rat) inhalation = 5.30 mg/kg⁸</p> <p>dizinc(2+) potassium bis(dioxochromiumbis(olate)) hydroxide LC50 (rat) inhalation = 510.00 mg/kg⁹</p>
Skin corrosion and skin irritation	Causes skin irritation (Xylene)
Serious eye damage or eye irritation	Causes serious eye irritation (1-Butanol,2-PROPANOL,4-Methyl-2-pentanone ,Acetone)
Respirator and skin sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled (1-Butanol)
Skin sentization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity following single exposure	May cause respiratory irritation (1-Butanol,2-PROPANOL,4-Methyl-2-pentanone ,Acetone,Butyl Acetate)
Specific target organ toxicity following repeated exposure	Not classified
Aspiration hazard	Not classified

12. ECOLOGICAL INFORMATION	
Acute aquatic hazard	<p>Very toxic to aquatic life</p> <p><u>1-Butanol</u></p> <p>LC50 (fish) 96 hr = 100 mg/L¹</p> <p>EC48 (shrimp) 48 hr = 1983 mg/L¹</p> <p><u>2-PROPANOL</u></p>

	<p>LC50 (fish) 96 hr = 6120 mg/L²</p> <p><u>4-Methyl-2-pentanone</u></p> <p>LC50 (fish) 96 hr = 179 mg/L¹⁴</p> <p>EC48 (shrimp) 48 hr = 200 mg/L¹⁴</p> <p><u>Acetone</u></p> <p>LC50 (fish) 96 hr = 4740 mg/L³</p> <p><u>Butyl Acetate</u></p> <p>LC50 (fish) 96 hr = 18 mg/L⁴</p> <p>EC48 (shrimp) 48 hr = 32 mg/L⁴</p> <p><u>Dibutyl Phthalate</u></p> <p>LC50 (fish) 96 hr = 0.48 mg/L¹⁵</p> <p>EC48 (shrimp) 48 hr = 0.003 mg/L¹⁵</p> <p>ErC-EC72 (Fungi) 96 hr = 0.75 mg/L¹⁵</p> <p><u>Talcum powder</u></p> <p>LC50 (fish) 96 hr = 0.089 mg/L¹⁸</p> <p>EC48 (shrimp) 48 hr = 0.00368 mg/L</p> <p>ErC-EC72 (Fungi) 96 hr = 0.007203 mg/L</p> <p><u>Titanium Dioxide</u></p> <p>EC48 (shrimp) 48 hr = 100 mg/L⁶</p> <p>ErC-EC72 (Fungi) 96 hr = 35.9 mg/L⁶</p> <p><u>Xylene</u></p> <p>LC50 (fish) 96 hr = 3.30 mg/L¹⁹</p> <p><u>[3-(2,3-epoxypropoxy)propyl]trimethoxysilane</u></p> <p>LC50 (fish) 96 hr = 55 mg/L⁸</p> <p>EC48 (shrimp) 48 hr = 324 mg/L⁸</p> <p><u>dizinc(2+)_potassium bis(dioxochromiumbis(olate))_hydroxide</u></p> <p>LC50 (fish) 96 hr = 0.33 mg/L⁹</p> <p>EC48 (shrimp) 48 hr = 0.155 mg/L⁹</p> <p>ErC-EC72 (Fungi) 96 hr = 0.1125 mg/L⁹</p>
Long term aquatic hazard	<p>Very toxic to aquatic life with long lasting effects</p> <p><u>1-Butanol</u></p> <p>NOEC shrimp = NOEC (21 days) 4.1 mg/L mg/L¹³</p> <p><u>4-Methyl-2-pentanone</u></p> <p>NOEC shrimp = 30 mg/L¹⁴</p> <p><u>Acetone</u></p> <p>NOEC fish = 530 mg/L³</p> <p>NOEC fungi = 430 mg/L³</p> <p><u>Butyl Acetate</u></p> <p>NOEC fish = 23 mg/L⁴</p> <p>NOEC shrimp = 23 mg/L⁴</p> <p>NOEC fungi = 196 mg/L⁴</p> <p><u>Dibutyl Phthalate</u></p> <p>NOEC fish = 0.1 mg/L¹⁵</p> <p>NOEC shrimp = 0.1 mg/L¹⁵</p> <p>NOEC fungi = 0.2 mg/L¹⁵</p> <p><u>Talcum powder</u></p> <p>NOEC fish = 0.0014 mg/L</p> <p>NOEC shrimp = 0.00146 mg/L</p> <p>NOEC fungi = 918.089 mg/L</p> <p><u>Titanium Dioxide</u></p> <p>NOEC shrimp = 1.72-5 mg/L²¹</p> <p>NOEC fungi = 1 mg/L²²</p> <p><u>Xylene</u></p> <p>NOEC fish = 1.30 mg/L²⁰</p> <p>NOEC shrimp = 1.57 mg/L¹²</p>

	<p>NOEC fungi = 0.44 mg/L¹²</p> <p><u>[3-(2,3-epoxypropoxy)propyl]trimethoxysilane</u></p> <p>NOEC shrimp = 100 mg/L⁸</p> <p>NOEC fungi = 50 mg/L⁸</p> <p><u>dizinc(2+) .potassium bis(dioxochromiumbis(olate)) .hydroxide</u></p> <p>NOEC fish = 0.056 mg/L⁹</p> <p>NOEC shrimp = 0.075 mg/L⁹</p> <p>NOEC fungi = 0.01 mg/L⁹</p>
Persistence and degradability	Rapidly degradable (4-Methyl-2-pentanone ,Acetone,Butyl Acetate,Dibutyl Phthalate ,Xylene)
Bioaccumulative potential	<p>Bioaccumulative potential</p> <p><u>1-Butanol</u></p> <p>log KOW = 0.88³³</p> <p>BCF = 3³³</p> <p><u>4-Methyl-2-pentanone</u></p> <p>log KOW = 1.31³⁴</p> <p>BCF = 3³⁴</p> <p><u>Acetone</u></p> <p>log KOW = -0.24³⁵</p> <p>BCF = 0.69³⁵</p> <p><u>Butyl Acetate</u></p> <p>log KOW = 1.78³⁶</p> <p>BCF = 7.00³⁶</p> <p><u>Dibutyl Phthalate</u></p> <p>log KOW = 4.5³⁷</p> <p>BCF = 3.1³⁷</p> <p><u>Xylene</u></p> <p>log KOW = 3.20³⁸</p> <p>BCF = 14.80³⁸</p> <p><u>[3-(2,3-epoxypropoxy)propyl]trimethoxysilane</u></p> <p>log KOW = -2.6⁸</p>
Mobility in soil	The product is insoluble in water. If released to water, some of the components will have tendency to evaporate while other components are expected to be highly mobile in soil and have the potential to reach underground water supplies.
Other adverse effects	Not available

13. DISPOSAL CONSIDERATIONS

Disposal methods	Disposing of this material/container should be done under all the regulations or handled by authorized waste collector in your country
Container disposal	Do not re-use empty containers

14. TRANSPORT INFORMATION

Labels required	
UN number	1263
UN proper shipping name	Paint
Transport hazard class(es)	3
Packing group	III
Environmental hazards	Not applicable
Special precautions	Not applicable
Transport in bulk	Not applicable

15. REGULATORY INFORMATION	
Inventory of existing chemical substance produced or imported in USA (TSCA)	All component in this product are listed
Toxic substance control act (TSCA)	All component in this product are listed
16. OTHER INFORMATION	
Issue date: 26 August 2022	
References	
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3. https://echa.europa.eu/brief-profile/-/briefprofile/100.000.602 (23-12-19)	
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5. https://toxnet.nlm.nih.gov/cgi-bin/sis/search2/f?./temp/~WOhTW9:3 (15/8/19)	
6. https://toxnet.nlm.nih.gov/cgi-bin/sis/search2/f?./temp/~Q1zAvm:3 (3-5-19)	
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13. https://echa.europa.eu/brief-profile/-/briefprofile/100.000.683 (3-5-19)	
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19. https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/view/682 (04-05-19)	
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24. https://www.osha.gov/chemicaldata/chemResult.html?recNo=475 (3-5-19)	
25. https://www.osha.gov/chemicaldata/chemResult.html?recNo=75	
26. https://www.osha.gov/chemicaldata/chemResult.html?recNo=476 (23-12-19)	
27. https://www.osha.gov/chemicaldata/chemResult.html?recNo=178 (17-12-19)a.gov	
28. https://www.osha.gov/chemicaldata/chemResult.html?recNo=720 (15-8-19)	
29. https://www.osha.gov/chemicaldata/chemResult.html?recNo=277 (7/8/19)	
30. https://www.osha.gov/chemicaldata/chemResult.html?recNo=246 (3-5-19)	
31. https://www.osha.gov/chemicaldata/chemResult.html?recNo=228 (04-05-19)	
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34. https://pubchem.ncbi.nlm.nih.gov/compound/7909#section=Octanol-Water-Partition-Coefficient	
35. https://pubchem.ncbi.nlm.nih.gov/compound/180 (23-12-19)	
36. https://pubchem.ncbi.nlm.nih.gov/compound/31272#section=Environmental-Abiotic-Degradation (04-05-19)	
37. https://pubchem.ncbi.nlm.nih.gov/compound/3026#section=Octanol-Water-Partition-Coefficient (15/8/19)	
38. https://pubchem.ncbi.nlm.nih.gov/compound/7929#section=Environmental-Fate (04-05-19)	