



Revised Date: 09-08-2015

SAFETY DATA SHEET

BLACK RYNOLITE ETCHING PRIMER

Supersedes: JUNE 1992

1. Identification

Product identifier	Black rynolite etching primer.
Other means of identification	
SDS number	20
Synonyms	1030
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 liquid	Category 2
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Reproductive toxicity	Category 2
	Specific target organ toxicity, single exposure; Narcotic effects	Category 3
	Specific target organ toxicity, repeated exposure	Category 2
	Aspiration hazard	Category 1

Label elements



Signal word

Danger

Unknown Toxicity

43% of the mixture consists of ingredient(s) of unknown toxicity.

Hazard statement

Highly Flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters



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Precautionary statement

Prevention

airways.

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Response

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. In case of fire: Use foam CO₂, dry chemical or water fog for extinction. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: wash with plenty of soap and water. IF SKIN irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and Keep comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Storage

Store in a well-ventilated place. Keep container tightly closed. 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

Mixtures

Chemical name	CAS number	%
Toluene	108-88-3	27.13
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	24
Methanol	67-56-1	0.19



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4. First-aid measures

Inhalation	Remove victim to fresh air immediately. If respiratory symptoms develop, seek medical attention at once.
Skin contact	Promptly wash with soap and water. Remove and wash any 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 vapors, spray mist may lead to headache, dizziness, loss of consciousness and nausea. Some reports have associated prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Can cause irritation sensitization or 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, or Water Fog or any CLASS B Extinguishing Agent.
Unsuitable extinguishing media	Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.
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.



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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 8 of the SDS for Personal Protective Equipment.

Methods and materials for containment and cleaning up

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

Avoid prolonged or repeated inhalation of heated vapors or spray mist. Keep away from heat or open flame. 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 OUT OF THE REACH OF CHILDREN. Keep away from heat and flame. Do not weld on full or empty containers. Keep containers closed when not in use, and properly labeled. Avoid contact with strong oxidants, acids, bases and epoxy hardeners under uncontrolled conditions.

8. Exposure controls/personal protection

Occupational exposure limits

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

Components	Type	Value
Toluene	PEL (TWA)	200 ppm
	PEL (Ceiling)	300 ppm
		500 ppm (Max Ceiling)

US. OSHA Table Z-1 (29 CFR 1910.1000)

None of the components in this product is listed.

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

Components	Type	Value
Toluene	TWA	200 ppm



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Ceiling 300 ppm, 500 ppm (Max Ceiling)

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

Components	Type	Value
Silica, amorphous, diatomaceous earth, containing less than 1% crystalline silica	TWA	20 mppcf

US. ACGIH Threshold Limit Values

None of the components in this product is listed.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Toluene	REL (TWA)	100 ppm (375 mg/m ³)
	REL (ST)	150 ppm (560 mg/m ³)

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 or 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	Black liquid.
Physical state	Liquid.
Form	Liquid.
Color	Black in color.
Odor	Mild aromatic odor.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not applicable.
Initial boiling point and boiling range	230-389 °F



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Flash point	45 °F TCC
Evaporation rate	Slower than ether.
Flammability (solid, liquid, gas)	Highly 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 (%)	9.5
Vapor pressure	38 mm Hg at 20 °C
Vapor density	Heavier than air.
Volatile by volume (%)	62.55 %
Volatile organic compounds (VOCs)	537 Grams/Liter (Less Water)
Density (Weight/Gallon)	9.84 lbs
Solubility(ies)	
Solubility (water)	Nil.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	60-65 KU

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	Harmful if swallowed.
Inhalation	Causes 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	May cause irritation, sensitization, or defeating of skin upon prolonged or repeated contact. Vapors or spray mist can result



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characteristics

Delayed and immediate effects and also chronic effects from short- and long-term exposure

in headache, dizziness, nausea and loss of consciousness. Some reports associated with prolonged exposure results in permanent brain and nervous system damage. 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

Toluene (CAS 108-88-3)

Test

Oral LD₅₀

Species

Rat

Test Results

636 mg/kg

Dermal LD₅₀

Rabbit

12200 mg/kg

Inhalation LC₅₀

Rat

49 mg/l, 4h

Silica, amorphous, diatomaceous earth, containing less than 1% crystalline silica (CAS 61790-53-2)

Oral LD₅₀

Rat

>2000

Inhalation LC₅₀

Rat

2.6 mg/l

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization

No data available.

Skin sensitization

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

Germ cell mutagenicity

Not classified as mutagen.

Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

12. Ecological information

Numerical measures of toxicity

Components

Toluene (CAS 108-88-3)

Test

Fish LC₅₀

Species

Rainbow trout
(*Oncorhynchus mykiss*)

Test Results

5.5 mg/l, 96h

Crustacea EC₅₀

Water flea
(*Daphnia magna*)

11.5 mg/l, 48h

Algae EC₅₀

Green algae
(*Selenastrum capricornutum*)

12.5 mg/l, 72h



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Persistence and degradability	Not available.
Bioaccumulative potential	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.
Hazardous waste code	
US RCRA Hazardous Waste U List : Reference	
Toluene (CAS 108-88-3)	U220
Waste from residues / unused products	Dispose in accordance with local, state, and federal agencies. Ground handling equipment to prevent sparks.
Contaminated packaging	Do not reuse empty containers.

14. Transport information

DOT	
UN number	UN 1263
UN proper shipping name	PAINT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3 - Flammable liquid
Packing group	II
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
IATA	
UN number	UN 1263
UN proper shipping name	Paint
Transport hazard class(es)	



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Class 3
Subsidiary risk -
Label(s) 3 - Flammable liquid



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

IMDG

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



Packing group II
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.

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



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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)

Toluene (CAS 108-88-3) Listed

CERCLA Hazardous Substance List (40 CFR 302.4)

Toluene (CAS 108-88-3) 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)

Chemical Name	CAS number	% by wt.
Toluene	108-88-3	27.13

Other federal regulations

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

Toluene (CAS 108-88-3)

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 ingredients in this product is listed.

US State regulations

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

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

Toluene (CAS 108-88-3)

Silica, amorphous, diatomaceous earth, containing less than 1% crystalline silica (CAS 6179053-2)

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

Toluene (CAS 108-88-3)

US. California Proposition 65

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

Toluene (CAS 108-88-3)

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)	Yes



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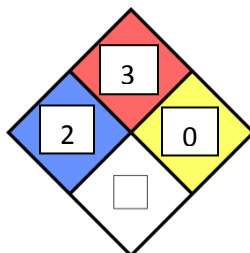
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Europe	European List of Notified Chemical Substances (ELINCS)	Yes
United States & Puerto Rico	Toxic Substances Control ACT (TSCA) Inventory	Yes

*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 JUNE 1992
Revision date 09-08-2015
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.