Safety Data Sheet

according to OSHA Hazard Communication
29 CFR Part 1910.1200

DIAMOND BRITE®

Section 1. Identification

Identification Number: RDL-31XXX and RDL32XX

Product Name: Diaomond Brite Int/Ext Oil Based Enamel

Product Use/Class: Industrial Maintenance Coating

SUPPLIER:

RDL Marketing
2600 West 19th St.
Chicago, IL 60608

CHEMTEL NORTH AMERICA 1-800-255-3924
WORLDWIDE INTL. 1-813-248-0585
24 HR. EMERGENCY HOTLINE

MANUFACTURER:

RDL Marketing
2600 West 19th St.
Chicago, IL 60608

CHEMTEL NORTH AMERICA 1-800-255-3924
WORLDWIDE INTL. 1-813-248-0585
24 HR. EMERGENCY HOTLINE

Safety Data Sheet Coordinator: J. Michael Jacobs (614) 253-8511

Section 2. Hazard(s) Identification

EMERGENCY OVERVIEW: Harmful if inhaled. Harmful if swallowed. May cause target organ or system damage (e.g., lung, nervous system, blood disorders, liver, kidney, immune system, cardiovascular system, thyroid, testicular, ovarian, etc.). Vapors irritating to eyes and respiratory tract. High vapor concentrations may cause drowsiness. FLAMMABLE liquid and vapor. Vapors may cause flash fire or explosion.

GHS Classification
Acute Tox. Inhalation 4, Acute Tox. Oral 4, Carc. 2, Flam. Liq. 3, STOT SE 3 NE

Symbol(s) of Product



Signal Word
Warning

Possible Hazards
15% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
Acute Toxicity, Oral, category 4	H302+H332	Harmful if swallowed or if inhaled.
Carcinogenicity, category 2	H351	Suspected of causing cancer. Classified as Category 2 based on limited evidence on human and/or animal studies.
Flammable Liquid, category 3	H226	Flammable liquid and vapor.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS: DISPOSAL

P501	Dispose of contents/container according to applicable local, national, and international regulations.

PRECAUTIONARY STATEMENTS: PREVENTION

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

PRECAUTIONARY STATEMENTS: RESPONSE

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CONTROL CENTER/doctor if you feel unwell.
P370+P378	In case of fire: use recommended media to extinguish.

PRECAUTIONARY STATEMENTS: 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.

Section 3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %	GHS Symbols	GHS Statements
ALIPHATIC HYDROCARBON(MS)	64742-47-8	10-15	GHS02-GHS07	H226-336
TITANIUM DIOXIDE	13463-67-7	2-3	GHS08	H351-361
CRYSTALLINE SILICA	14808-60-7	0-1	GHS08	H372
ETHYL BENZENE (HAP)	100-41-4	0-1	GHS08	H320-351-372
2,2'-BIPRYIDYL	366-18-7	0-1	GHS06-GHS07	H301-311-315-319-331-336

Section 4. First-Aid Measures



FIRST AID - INHALATION: Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

FIRST AID - INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS: Eye irritation signs/symptoms may include a burning sensation, redness, swelling, and/or blurred vision. Skin irritation signs/symptoms may include a burning sensation, redness, swelling, and/or blisters. If inhaled signs/symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. Onset of respiratory symptoms may be delayed for several hours following exposure. Inhalation of high vapor concentrations may cause central nervous system depression resulting in dizziness, light-headedness, headache, nausea, and loss of coordination. Continued inhalation may result in unconsciousness and death.

INDICATION OF IMMEDIATE MEDICAL ATTENTION IF NECESSARY: If symptoms persist call a poison control center or a doctor/physician.

Section 5. Fire-Fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty containers should be completely drained, properly sealed, and promptly recycled or properly disposed of. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and may be ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Eliminate or shut off ALL ignition sources prior to usage.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Move containers from fire area if it can be done without risk.

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog

Section 6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: ELIMINATE all ignition sources (no smoking, flares, sparks, flames, or motor vehicles of any kind in the immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do so without risk.

ENVIRONMENTAL PRECAUTIONS: Prevent entry into waterways, sewers, basements, and other confined spaces.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain and absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways.

Section 7. Handling and Storage



HANDLING: FLAMMABLE LIQUID. Avoid heat, sparks and open flames. Use in well ventilated area. To avoid ignition of vapors by static electricity discharge all metal parts of the equipment must be grounded. Do not use compressed air for filling, discharging or handling. Wash thoroughly after handling. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment.

STORAGE: Keep away from heat, sparks and flame. Keep container closed when not in use.

Section 8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
ALIPHATIC HYDROCARBON(MS)	100 ppm	N.E.	N.E.	N.E.
TITANIUM DIOXIDE	5 mg/m3	N.E.	5 mg/m3	N.E.
CRYSTALLINE SILICA	0.025 mg/m3	N.E.	0.025 mg/m3	N.E.
ETHYL BENZENE (HAP)	100 ppm	125 ppm	100 ppm	N.E.
2,2'-BIPRYIDYL	N.E.	N.E.	N.E.	N.E.

Legend: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

Protective Measures



ENGINEERING CONTROLS: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.



RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.



SKIN PROTECTION: Use chemical resistant splash goggles and face shield (ANSI Z87.1 or approved equivalent). The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Rubber, nitrile or neoprene to prevent skin contact. Permeation resistant gloves (Butyl rubber, nitrile, or polyvinyl alcohol) are recommended. Note that polyvinyl alcohol degrades in contact with water.



EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.



OTHER PROTECTIVE EQUIPMENT: Where splashing is possible full chemically resistant protective clothing (e.g. acid suit) and boots are required.



HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

Section 9. Physical and Chemical Properties

Appearance:	Colored Liquid	**Physical State:**	Liquid
Odor:	Organic Solvent	**Odor Threshold:**	N.D.
Specific Gravity:	1.294	**pH:**	N.A.
Freeze Point, °C:	N.D.	**Viscosity:**	N.A.
Solubility in Water:	Insoluble	**Partition Coefficient, n-octanol/ water:**	N.D.
Decompostion Temp., °C:	N.D.		
Boiling Range, °C:	100 - 196	**Explosive Limits, vol%:**	0.5 - 6.0
Evaporation Rate:	Slower than Diethyl Ether	**Flash Point, °C:**	40.5
Vapor Density:	Heavier than air	**Vapor Pressure:**	N.D.

(See "Other information" Section for abbreviation legend)

Section 10. Stability and Reactivity

REACTIVITY: No Information

STABILITY: This product is stable under normal storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing conditions.

CONDITIONS TO AVOID: Heat, sparks and open flames.

INCOMPATIBILITY: None reasonably foreseeable.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce fumes when heated to decomposition, as in welding or fire. Fumes may contain: Carbon Monoxide, Carbon Dioxide and various other hydrocarbons.

Section 11. Toxicological Information



Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: Harmful if inhaled. Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful. Proper respiratory equipment MUST be worn when sanding or abrading surfaces painted with this product. Sanding or abrading the dried paint film increases the risk of exposure. When incorporated in the liquid paint, pigments or extenders pose minimal risk of exposure.

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Allergic reactions are possible. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECT OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

EFFECT OF OVEREXPOSURE - INGESTION: This material may be harmful or fatal if swallowed. Irritating to mouth, throat and stomach.

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

STOT - SINGLE EXPOSURE

No Additional Information

STOT - REPEATED EXPOSURE

No Additional Information

Carcinogenicity: The information below indicates whether each agency has listed any ingredient as a carcinogen if present at levels greater than or equal to 0.1 %.

CAS-No.	Name	NTP	OSHA	IARC
64742-47-8	ALIPHATIC HYDROCARBON(MS)	Not listed by NTP	Not listed by OSHA	Not listed by IARC
13463-67-7	TITANIUM DIOXIDE	Not listed by NTP	Not listed by OSHA	Group 2B
14808-60-7	CRYSTALLINE SILICA	Known carcinogen	Labeled by OSHA	Group 1
100-41-4	ETHYL BENZENE (HAP)	Not listed by NTP	Not listed by OSHA	Group 2B
366-18-7	2,2'-BIPRYIDYL	Not listed by NTP	Not listed by OSHA	Not listed by IARC

National Toxicological Program (NTP), Occupational Safety & Health Association (OSHA), International Agency for Research on Cancer (IARC) Group 1: Carcinogenic to Humans, Group 2A: Probably Carcinogenic to Humans, Group 2B: Possibly Carcinogenic to Humans, Group 3: Not Classifiable as to its Carcinogenicity to Humans

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

CAS-No.	Name according to EEC	Oral LD50 (mg/kg)	Dermal LD50 (mg/kg)	Vapor LC50 (mg/L)
64742-47-8	ALIPHATIC HYDROCARBON(MS)	>5000 (rat)	>5000 (rabbit)	No Information
13463-67-7	TITANIUM DIOXIDE	No Information	No Information	No Information
14808-60-7	CRYSTALLINE SILICA	No Information	No Information	No Information
100-41-4	ETHYL BENZENE (HAP)	3500 (rat)	17,000 (rabbit)	No Information
366-18-7	2,2'-BIPRYIDYL	100 (rat)	>200 (rabbit)	No Information

Section 12. Ecological Information

ECOLOGICAL INFORMATION: No Information

MOBILITY IN SOIL: No Information

OTHER ADVERSE EFFECTS: No Information

Section 13. Disposal Considerations



Product

DISPOSAL METHOD: Dispose of in accordance with all local, state, and federal regulations. Approved incinerator or approved hazardous waste facility.

Section 14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No Information

ENVIRONMENTAL HAZARDS: No Information

TRANSPORT IN BULK: See DOT Information below.

DOT Proper Shipping Name:	PAINT	**Packing Group:**	III
DOT UN/NA Number:	UN 1263	**Hazard SubClass:**	N.A.
DOT Hazard Class:	3	**Resp. Guide Page:**	128
DOT Technical Name:	N.A.		

Exception: **This material may be reclassified as a COMBUSTIBLE LIQUID and can be shipped as a NON-HAZARDOUS material per DOT:1.) If transported In non-bulk packaging, container size less than 450 liters Or 119 gallons, (e.g. 55 gallon drums) per 49 CFR 173.150(f)(2) And, 2.) If Not transported As a liquid at a temperature at Or above its flash point(e.g.Not heated For transport) per 49 CFR 173.150(f)(4)(iii).**

Section 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:

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Acute Toxicity (any route of exposure), Specific target organ toxicity (single or repeated exposure)

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:

Chemical Name	CAS-No.
XYLENE (HAP)	1330-20-7
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2
ETHYL BENZENE (HAP)	100-41-4
1,2,4 TRIMETHYLBENZENE	95-63-6
CUMENE (HAP)	98-82-8

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:

No TSCA 12(b) components exist in this product.

U.S. State Regulations:

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%. For hazardous components see Section 3.

Chemical Name	CAS-No.
H2O	7732-18-5
CALCIUM CARBONATE	1317-65-3
LONG OIL ALKYD	PROPRIETARY
LONG OIL ALKYD	PROPRIETARY
DIIRON TRIOXIDE	1309-37-1

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS-No.
CARBON BLACK	1333-86-4
CRYSTALLINE SILICA	14808-60-7
ETHYL BENZENE (HAP)	100-41-4
CARBON BLACK	1333-86-4
CUMENE (HAP)	98-82-8

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

International Regulations: As follows -

CANADIAN REGULATORY INFORMATION:

This SDS has been prepared in compliance with Hazardous Product Regulations (HPR).

Canadian DSL: No Information

Section 16. Other Information, Including Date of Preparation of the Last Revision

Revision Date: 1/30/2023 **Supercedes Date:** New SDS

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	2	**Flammability:**	2	**Reactivity:**	0	**Personal Protection:**	H

Volatile Organic Compounds, lb/gal: 2.37

Volatile Organic Compounds, gr/ltr: 284

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information, STOT - Specific Target Organ Toxicity, MIR - Maximum Incremental Reactivity

The information on this safety data sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product, or where instructions and recommendations are not followed. The user assumes all risks incident to the use of the product and must communicate to employees and customers all warnings that relate to the potential exposure to this product. It is the responsibility of the user to comply with all Federal, State, and Local laws, regulations, and ordinances, and to assure that all workplace and disposal practices are in compliance with such. ALL WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY EXCLUDED. IN NO EVENT SHALL THE SUPPLIER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.