

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version 1.0      Revision Date: 05/12/2021      SDS Number: 000000260394      Date of last issue: -  
Date of first issue: 05/12/2021

---

### SECTION 1. IDENTIFICATION

Product name : Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A

Product code : 000000000051369814

#### Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC

Address : 201 POLITO AVE  
Lyndhurst NJ 07071

Emergency telephone : ChemTel: +1-813-248-0585

#### Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals

Restrictions on use : Reserved for industrial and professional use.

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity : Category 1B

Reproductive toxicity : Category 2

Short-term (acute) aquatic hazard : Category 3

Long-term (chronic) aquatic hazard : Category 3

#### GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H350 May cause cancer.  
H361d Suspected of damaging the unborn child.  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version 1.0      Revision Date: 05/12/2021      SDS Number: 000000260394      Date of last issue: -  
Date of first issue: 05/12/2021

Precautionary Statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

**Storage:**  
P405 Store locked up.

**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**  
None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Aqueous solution

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
propane-1,2-diol	57-55-6	>= 1 - < 5
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	>= 0.1 - < 1
diuron	330-54-1	< 0.1
mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	< 0.1

Actual concentration is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice : First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled : If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

In case of skin contact : After contact with skin, wash immediately with plenty of water and soap.  
Under no circumstances should organic solvent be used.  
If irritation develops, seek medical attention.

In case of eye contact : Hold eyes open and rinse slowly and gently with water for 15

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version 1.0	Revision Date: 05/12/2021	SDS Number: 000000260394	Date of last issue: - Date of first issue: 05/12/2021
----------------	------------------------------	-----------------------------	--

- to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.  
Do NOT induce vomiting.
- Most important symptoms and effects, both acute and delayed : May cause cancer.  
Suspected of damaging the unborn child.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam  
Water spray  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : water jet
- Specific hazards during fire fighting : See SDS section 10 - Stability and reactivity.
- Hazardous combustion products : harmful vapours  
nitrogen oxides  
fumes/smoke  
carbon black  
carbon oxides
- Further information : The degree of risk is governed by the burning substance and the fire conditions.  
If exposed to fire, keep containers cool by spraying with water.  
Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.  
Contaminated extinguishing water must be disposed of in accordance with official regulations.
- Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Do not breathe vapour/aerosol/spray mists.  
Wear eye/face protection.  
If exposed to high vapour concentration, leave area immediately.  
Use personal protective clothing.  
Handle in accordance with good building materials hygiene

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version 1.0      Revision Date: 05/12/2021      SDS Number: 000000260394      Date of last issue: -  
Date of first issue: 05/12/2021

and safety practice.

Environmental precautions : Contain contaminated water/firefighting water.  
Do not discharge into drains/surface waters/groundwater.

Methods and materials for containment and cleaning up : Large spills should be collected mechanically (remove by pumping) for disposal.  
Pick up with inert absorbent material (e.g. sand, earth etc.).  
Spilled product should be disposed in accordance with all applicable government regulations.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Product is not explosive.

Advice on safe handling : Avoid aerosol formation.  
Avoid inhalation of mists/vapours.  
Avoid skin contact.  
Avoid contact with eyes.

Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.  
Protect from direct sunlight.

Recommended storage temperature : > 39 °F / > 4 °C

Further information on storage stability : PROTECT FROM FREEZING DURING THE COLD-SEASON (BELOW 40°F / 5°C).

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
propane-1,2-diol	57-55-6	TWA	10 mg/m3	US WEEL
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	TWA value (Inhalable fraction)	5 mg/m3	ACGIHTLV
		Ceil_Time	1,800 mg/m3	NIOSH
		REL value	350 mg/m3	NIOSH
		STEL value (Mist)	10 mg/m3	NIOSH
		REL value (Mist)	5 mg/m3	NIOSH
		PEL	500 ppm 2,000 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Mist)	5 mg/m3	29 CFR

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version 1.0      Revision Date: 05/12/2021      SDS Number: 000000260394      Date of last issue: -  
Date of first issue: 05/12/2021

				1910.1000 (Table Z-1)
		TWA value (Mist)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
diuron	330-54-1	TWA value	10 mg/m3	ACGIHTLV
		REL value	10 mg/m3	NIOSH
		TWA value	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA	10 mg/m3	ACGIH
		TWA	10 mg/m3	NIOSH REL
		TWA	10 mg/m3	OSHA P0

**Engineering measures** : Ensure adequate ventilation.

**Personal protective equipment**

Respiratory protection : Wear appropriate certified respirator when exposure limits may be exceeded.  
Use NIOSH approved respiratory protection.

Hand protection

Remarks : Wear chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection : Safety glasses with side-shields.

Skin and body protection : Impermeable protective clothing  
Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

Protective measures : Do not inhale gases/vapours/aerosols.  
Avoid contact with the skin, eyes and clothing.  
Avoid exposure - obtain special instructions before use.  
Handle in accordance with good building materials hygiene and safety practice.  
Wearing of closed work clothing is recommended.

Hygiene measures : When using, do not eat, drink or smoke.  
Hands and/or face should be washed before breaks and at the end of the shift.  
At the end of the shift the skin should be cleaned and skin-care agents applied.

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version 1.0	Revision Date: 05/12/2021	SDS Number: 000000260394	Date of last issue: - Date of first issue: 05/12/2021
----------------	------------------------------	-----------------------------	--

Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.  
Gloves must be inspected regularly and prior to each use.  
Replace if necessary (e.g. pinhole leaks).

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: milky white
Odor	: mild, acrylic-like
Odor Threshold	: not determined
pH	: neutral to slightly alkaline
Melting point	: No data available
Boiling point	: No data available
Flash point	: 200 °F / 93 °C
Evaporation rate	: No data available
Flammability (liquids)	: Not classified as a flammability hazard
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: Heavier than air.
Relative density	: 1.01
Density	: approx. 1.0 g/cm <sup>3</sup> (68 °F / 20 °C)
Solubility(ies)	
Water solubility	: slightly soluble
Solubility in other solvents	: slightly soluble
Partition coefficient: n-octanol/water	: No data available

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version 1.0	Revision Date: 05/12/2021	SDS Number: 000000260394	Date of last issue: - Date of first issue: 05/12/2021
----------------	------------------------------	-----------------------------	--

---

Autoignition temperature	:	No data available
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	Based on its structural properties the product is not classified as oxidizing.
Sublimation point	:	No data available
Molecular weight	:	No data available

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability	:	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	:	The product is stable if stored and handled as prescribed/indicated.
Conditions to avoid	:	See SDS section 7 - Handling and storage.
Incompatible materials	:	Strong acids Strong bases Strong oxidizing agents Strong reducing agents
Hazardous decomposition products	:	No hazardous decomposition products if stored and handled as prescribed/indicated.

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.





# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version 1.0      Revision Date: 05/12/2021      SDS Number: 000000260394      Date of last issue: -  
Date of first issue: 05/12/2021

---

### Components:

#### **diuron:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

#### **mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

#### **Persistence and degradability**

No data available

#### **Bioaccumulative potential**

No data available

#### **Mobility in soil**

No data available

#### **Other adverse effects**

#### Product:

Additional ecological information : Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

---

## SECTION 13. DISPOSAL CONSIDERATIONS

#### **Disposal methods**

Waste from residues : Dispose of in accordance with national, state and local regulations. Residues should be disposed of in the same manner as the substance/product. Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version 1.0      Revision Date: 05/12/2021      SDS Number: 000000260394      Date of last issue: -  
Date of first issue: 05/12/2021

---

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

##### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

---

### SECTION 15. REGULATORY INFORMATION

#### US State Regulations

##### Pennsylvania Right To Know

propane-1,2-diol	57-55-6
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
diuron	330-54-1

##### New Jersey Right To Know

propane-1,2-diol	57-55-6
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0

##### California Prop. 65

WARNING: This product can expose you to chemicals including Distillates (petroleum), solvent-dewaxed heavy paraffinic, which is/are known to the State of California to cause cancer, and acrylamide, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

##### The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

DSL : This product contains one or more components listed on the Canadian NDSL. All other components are on the Canadian DSL.

---

### SECTION 16. OTHER INFORMATION

#### Further information

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



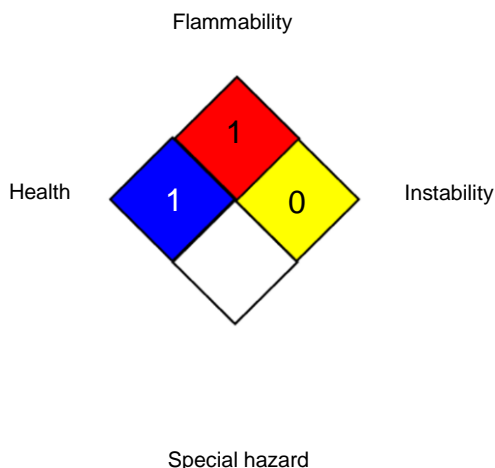
Version  
1.0

Revision Date:  
05/12/2021

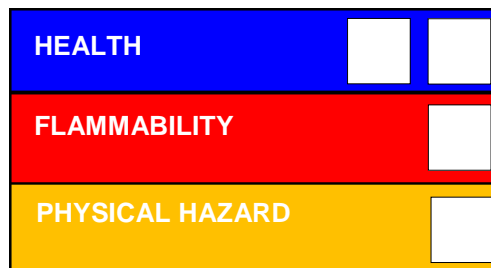
SDS Number:  
000000260394

Date of last issue: -  
Date of first issue: 05/12/2021

### NFPA 704:



### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

29 CFR 1910.1000 (Table Z-1-A)	:	OSHA - Table Z-1-A (29 CFR 1910.1000)
29 CFR 1910.1000 (Table Z-1)	:	OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIHTLV	:	American Conference of Governmental Industrial Hygienists - threshold limit values (US)
NIOSH	:	NIOSH Pocket Guide to Chemical Hazards (US)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
US WEEL	:	USA. Workplace Environmental Exposure Levels (WEEL)
29 CFR 1910.1000 (Table Z-1-A) / TWA value	:	Time Weighted Average (TWA):
29 CFR 1910.1000 (Table Z-1) / PEL	:	Permissible exposure limit
ACGIH / TWA	:	8-hour, time-weighted average
ACGIHTLV / TWA value	:	Time Weighted Average (TWA):
NIOSH / Ceil_Time	:	Ceiling Limit Value and Time Period (if specified):
NIOSH / REL value	:	Recommended exposure limit (REL):
NIOSH / STEL value	:	Short Term Exposure Limit (STEL):
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average
US WEEL / TWA	:	8-hr TWA

# SAFETY DATA SHEET

## Radiance e-0.25 Attic Barrier Part A Formerly RADIANCE E 0.25 ABC Part A



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	05/12/2021	000000260394	Date of first issue: 05/12/2021

---

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 05/12/2021

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN