

Safety Data Sheet

according to OSHA Hazard
Communication 29 CFR Part 1910.1200



Section 1. Identification

Product Information: LI-B35GRY

Product Name: Vanguard Base Gray

Recommended Use: Surface Coatings and TWSI Applications

Application Method: See CSI @ www.vanguardonline.com/downloads/

Supplied by: Vanguard ADA Systems
18122 SR9, Suite F
Snohomish WA 98296

Emergency Telephone: Chemtrec: 800-424-9300

Section 2. Hazard(s) identification

EMERGENCY OVERVIEW: Flammable liquid and vapor.

GHS Classification

Flam. Liq. 1, Repr. 2, Skin Irrit. 2, Skin Sens. 1

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

17% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

| | | |
|-----------------------------------|------|--|
| Flammable Liquid, category 1 | H224 | Extremely flammable liquid and vapour. |
| Reproductive Toxicity, category 2 | H361 | Suspected of damaging fertility or the unborn child. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|------|--|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Use personal protective equipment as required. |

| | |
|----------------|---|
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P321 | Specific treatment (see on this label). |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P370+P378 | In case of fire: Use dry chemical, carbon dioxide, or foam to extinguish. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local rules and regulations. |

GHS SDS PRECAUTIONARY STATEMENTS

| | |
|------|--|
| 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. |
| P363 | Wash contaminated clothing before reuse. |

Section 3. Composition/Information on ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|----------------------|----------------|--------------|--------------------|--------------------------|
| TITANIUM DIOXIDE | 13463-67-7 | 2.5-10 | GHS06-GHS08 | H331-361 |
| METHYL METHACRYLATE | 80-62-6 | 2.5-10 | GHS02-GHS07 | H225-315-317-335 |
| N-BUTYL ACRYLATE | 141-32-2 | 2.5-10 | GHS02-GHS07 | H226-315-317-319-332-335 |

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

Section 4. First-aid measures



FIRST AID - INHALATION: Move to fresh air.

FIRST AID - SKIN CONTACT: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

FIRST AID - EYE CONTACT: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Rinse with plenty of water.

FIRST AID - INGESTION: Call a physician immediately. Do not induce vomiting without medical advice.

Section 5. Fire-fighting measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Remove all sources of ignition.

SPECIAL FIREFIGHTING PROCEDURES: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam

Section 6. Accidental release measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up with inert absorbent material and dispose of as hazardous waste.

Section 7. Handling and storage



HANDLING: Containers of this material may be hazardous when emptied. Handle in accordance with good industrial hygiene and safety practice.

STORAGE: Harmful - Store away from foodstuffs. Keep containers tightly closed. Keep in a well-ventilated place. Keep locked-up. For Industrial Use Only

Section 8. Exposure controls/personal protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|----------------------|----------------------|-----------------------|---------------------|-------------------------|
| TITANIUM DIOXIDE | NE | NE | NE | NE |
| METHYL METHACRYLATE | 50 | 100 | 100 | NE |
| N-BUTYL ACRYLATE | 2 ppm | NE | 10 ppm | NE |

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

Personal Protection



RESPIRATORY PROTECTION: In the case of respirable dust and/or fumes, use self-contained breathing apparatus.



SKIN PROTECTION: Impervious gloves.



EYE PROTECTION: Safety glasses with side-shields.



OTHER PROTECTIVE EQUIPMENT: Impervious clothing.



HYGIENIC PRACTICES: General industrial hygiene practice.

Section 9. Physical and Chemical Properties

| | | | |
|-----------------------------|-------------------|--------------------------|-----------|
| Boiling Range: | 0 - 0 | Vapor Density: | 3.60 |
| Odor: | Characteristic | Odor Threshold: | NE |
| Appearance: | Heavy Gray Liquid | Evaporation Rate: | 3.10 |
| Solubility in Water: | NE | Specific Gravity: | 1.977 |
| Freeze Point: | NE | pH: | NE |
| Vapor Pressure: | 40.00 | Viscosity: | NE |
| Physical State: | NE | Flash Point, °C: | 10, °F 50 |

(See section 16 for abbreviation legend)

| <u>CHEMICAL NAME</u> | <u>VAPOR DENSITY</u> | <u>EVAPORATION RATE</u> | <u>BOILING POINT</u> | <u>VP mmHg</u> | <u>at DEG. F</u> |
|----------------------|----------------------|-------------------------|----------------------|----------------|------------------|
| TITANIUM DIOXIDE | NE | NE | 0 | NE | NE |

| | | | | | |
|---------------------|-------|------|-----|-------|----|
| METHYL METHACRYLATE | 3.600 | 3.10 | 212 | 40.00 | 68 |
| N-BUTYL ACRYLATE | 0.899 | NA | 298 | 4.30 | 68 |

Section 10. Stability and reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid contact with skin, eyes and clothing.

INCOMPATIBILITY: Strong oxidizing agents. Keep away from strong oxidizing agents, heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if stored and applied as directed.

Section 11. Toxicological information



Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Direct eye contact may cause irritation.

EFFECT OF OVEREXPOSURE - INGESTION: Harmful: may cause lung damage if swallowed.

CARCINOGENICITY: No Information

Acute Toxicity Values

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

| <u>CAS-No.</u> | <u>Name according to EEC</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|------------------------------|------------------|--------------------|-------------------|
| 13463-67-7 | TITANIUM DIOXIDE | 10000 | 10000 | 6.80 |
| 80-62-6 | METHYL METHACRYLATE | N.I. | N.I. | N.I. |
| 141-32-2 | N-BUTYL ACRYLATE | N.I. | N.I. | N.I. |

N.I. - No Information

Section 12. Ecological information

ECOLOGICAL INFORMATION: Do not contaminate ponds, waterways or ditches with chemical or used container.

Section 13. Disposal considerations



Product

DISPOSAL METHOD: Contact waste disposal services. Dispose of in accordance with all local, state and federal regulations.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up with inert absorbent material and dispose of as hazardous waste.

Section 14. Transport information

SPECIAL TRANSPORT PRECAUTIONS: No Information

DOT Proper Shipping Paint, Flammable Liquid
 DOT Technical Name: Paint
 DOT Hazard Class: 3
 DOT UN/NA Number: 1263

Packing Group: II
 Hazard SubClass: No Information
 Resp. Guide Page: 128

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), Reproductive toxicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization

SARA SECTION 312:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| METHYL METHACRYLATE | 80-62-6 |
| N-BUTYL ACRYLATE | 141-32-2 |

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:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|------------------------|----------------|
| METHYL METHACRYLATE | 80-62-6 |
| N-BUTYL ACRYLATE | 141-32-2 |
| 1-METHYL-2-PYRROLIDONE | 872-50-4 |
| XYLENE (100%) | 1330-20-7 |
| ETHYL BENZENE | 100-41-4 |

TOXIC SUBSTANCES CONTROL ACT:

All components of this material are listed on the US Toxic Substance Control Act (TSCA inventory).

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|-------------------------------|----------------|
| LIMESTONE | 1317-65-3 |
| AASHTO TYPE I, UNCOATED BEADS | MIXTURE |
| AGGREGATE | MIXTURE |

PENNSYLVANIA RIGHT-TO-KNOW

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

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|-------------------------------|----------------|
| LIMESTONE | 1317-65-3 |
| AASHTO TYPE I, UNCOATED BEADS | MIXTURE |
| AGGREGATE | MIXTURE |
| BUTYL METHACRYLATE COPOLYMER | 28262-63-7 |

CALIFORNIA PROPOSITION 65 CARCINOGENS**WARNING**

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

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| TITANIUM DIOXIDE | 13463-67-7 |
| ETHYL BENZENE | 100-41-4 |

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

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

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|------------------------|----------------|
| 1-METHYL-2-PYRROLIDONE | 872-50-4 |

International Regulations: As follows -**CANADIAN WHMIS:**

All components of this material are listed on the Domestic Substance List.

WHMIS Class: No Information

Section 16. Other information, including date of preparation of the last revision

| | | | |
|-------------------------------|--|-------------------------|------------|
| Revision Date: | 11/19/2020 | Supersedes Date: | 11/19/2020 |
| Reason for revision: | Substance and/or Product Properties Changed in Section(s): 09 - Physical & Chemical Information 16 - Other Information | | |
| Datasheet produced by: | Regulatory Department | | |

HMIS Ratings:

| | | | | | | | |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|
| Health: | 2 | Flammability: | 3 | Reactivity: | 2 | Personal Protection: | X |
|----------------|---|----------------------|---|--------------------|---|-----------------------------|---|

Volatile Organic Compounds, gr/ltr: 7

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



GHS06



GHS07



GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

No Information