

SAFETY DATA SHEET

Revision date 26-Sep-2020

Version 23

Supersedes Date: 23-Jan-2020

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Code 9570.L05

Product Name 1L 5-70 BEROBASE GRAPHITE

Other means of identification

No information available

Recommended use of the chemical and restrictions on use

Paint, Coatings

Details of the supplier of the safety data sheet

See section 16 for more information

The Valspar Corporation
PO Box 1461
Minneapolis, MN 55440

E-mail address msds@valspar.com

Emergency telephone number

United States of America 1-888-345-5732

Section 2: HAZARDS IDENTIFICATION

Classification

| | |
|--|------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 1 |
| Skin sensitization | Category 1 |
| Carcinogenicity | Category 2 |
| Reproductive toxicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Aspiration toxicity | Category 1 |
| Flammable liquids | Category 3 |

Label elements



Signal word

DANGER

HAZARD STATEMENTS

Flammable liquid and vapor

Causes skin irritation
Causes serious eye damage
May cause an allergic skin reaction
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May be fatal if swallowed and enters airways
May cause respiratory irritation
May cause drowsiness or dizziness
May cause damage to the following organs through prolonged or repeated exposure: Ears

PREVENTION

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. P210 - 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.

RESPONSE

IF exposed or concerned: Get medical advice/attention.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin

If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Fire

In case of fire: Use CO₂, dry chemical, or foam for extinction.

STORAGE

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

DISPOSAL

Dispose of contents/containers in accordance with local regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

No information available.

OTHER HAZARDS

Not applicable.

UNKNOWN ACUTE TOXICITY

0% of the mixture consists of ingredient(s) of unknown toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | weight-% |
|--------------------|-----------|-----------------|
| n-Butyl acetate | 123-86-4 | 25 - 50 |
| Xylenes | 1330-20-7 | 10 - 25 |
| Ethylbenzene | 100-41-4 | 5 - 10 |
| 1-Butanol | 71-36-3 | 3 - 5 |
| Isobutyl alcohol | 78-83-1 | 1 - 3 |
| Toluene | 108-88-3 | 0.1 - 0.3 |
| Butyl methacrylate | 97-88-1 | 0.1 - 0.3 |
| Formaldehyde | 50-00-0 | 100 ppm - <0.1% |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES

First Aid Measures

General advice

IF exposed or concerned: Get medical advice/attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin Contact

If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, CO₂, water spray or alcohol-resistant foam.

Not to be used for safety reasons:

Strong water jet

Specific hazards arising from the chemical

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by skin contact.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place.

Incompatible materials

Strong oxidizing agents.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

If S* appears in the OEL table, it indicates this chemical contains a skin notation.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------------|-------------------------------|--|--|
| n-Butyl acetate 123-86-4 | STEL: 150 ppm TWA: 50 ppm | TWA: 150 ppm TWA: 710 mg/m ³ | IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³ |
| Xylenes 1330-20-7 | STEL: 150 ppm TWA: 100 ppm | TWA: 100 ppm TWA: 435 mg/m ³ | |
| Ethylbenzene 100-41-4 | TWA: 20 ppm | TWA: 100 ppm TWA: 435 mg/m ³ | IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³ |
| 1-Butanol 71-36-3 | TWA: 20 ppm | TWA: 100 ppm TWA: 300 mg/m ³ | IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m ³ |
| Isobutyl alcohol 78-83-1 | TWA: 50 ppm | TWA: 100 ppm TWA: 300 mg/m ³ | IDLH: 1600 ppm TWA: 50 ppm TWA: 150 mg/m ³ |
| Toluene | TWA: 20 ppm | TWA: 200 ppm | IDLH: 500 ppm |

| | | | |
|-------------------------|------------------|--|--|
| 108-88-3 | | Ceiling: 300 ppm | TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ |
| Formaldehyde 50-00-0 | Ceiling: 0.3 ppm | TWA: 0.75 ppm STEL: 2 ppm see 29 CFR 1910.1048 | IDLH: 20 ppm Ceiling: 0.1 ppm 15 min TWA: 0.016 ppm |

Appropriate engineering controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Skin and body protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing. Personnel should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber.

Hand Protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal Protection

No information available

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--------------------------------------|----------------------------------|
| Physical state | liquid |
| Appearance | No information available |
| Odor | Solvent |
| Color | black |
| Odor Threshold | No information available |
| pH value | No information available |
| Melting point/freezing point | No information available |
| Boiling point / boiling range | No information available °C / °F |
| flash point | 23 °C / 73 °F |
| evaporation rate | No information available |
| Flammability (solid, gas) | No information available |
| Flammability Limit in Air | |
| Upper flammability limit: | No information available |
| Lower flammability limit: | No information available |
| Vapor Pressure | No information available |
| vapor density | No information available |
| Density (lbs per US gallon) | 8.13 |
| specific gravity | .97 |
| Solubility(ies) | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Kinematic viscosity | No information available |

Dynamic viscosity No information available

Other information

Section 10: STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous polymerization None under normal processing.

Conditions to avoid Heat, flames and sparks.

Incompatible materials Strong oxidizing agents.

Hazardous Decomposition Products Carbon monoxide. Carbon dioxide (CO₂). Chlorine gas.

Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact

Causes serious eye damage

Skin Contact

Causes skin irritation

May cause an allergic skin reaction

Ingestion

May be fatal if swallowed and enters airways

Inhalation

May cause respiratory irritation

May cause drowsiness or dizziness

Numerical measures of toxicity - Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------|---|---|---|
| n-Butyl acetate 123-86-4 | = 10768 mg/kg (Rat) | > 17600 mg/kg (Rabbit) | = 390 ppm (Rat) 4 h |
| Xylenes 1330-20-7 | = 3500 mg/kg (Rat) | > 1700 mg/kg (Rabbit) > 4350 mg/kg (Rabbit) | = 5000 ppm (Rat) 4 h = 29.08 mg/L (Rat) 4 h |
| Ethylbenzene 100-41-4 | = 3500 mg/kg (Rat) | = 15400 mg/kg (Rabbit) | = 17.4 mg/L (Rat) 4 h |
| 1-Butanol 71-36-3 | = 700 mg/kg (Rat) = 790 mg/kg (Rat) | = 3402 mg/kg (Rabbit) = 3400 mg/kg (Rabbit) | > 8000 ppm (Rat) 4 h |
| Isobutyl alcohol 78-83-1 | = 2460 mg/kg (Rat) | = 3400 mg/kg (Rabbit) | > 6.5 mg/L (Rat) 4 h |
| Toluene 108-88-3 | = 2600 mg/kg (Rat) | = 12000 mg/kg (Rabbit) | = 12.5 mg/L (Rat) 4 h |
| Butyl methacrylate 97-88-1 | = 16 g/kg (Rat) | = 10181 mg/kg (Rabbit) | = 4910 ppm (Rat) 4 h |
| Formaldehyde 50-00-0 | = 100 mg/kg (Rat) | = 270 mg/kg (Rabbit) | = 0.578 mg/L (Rat) 4 h |

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 11552 Mg/kg

ATEmix (dermal) 5664 Mg/kg

ATEmix (inhalation-dust/mist) 6 mg/l

ATEmix (inhalation-vapor) 44 mg/l

UNKNOWN ACUTE TOXICITY 0% of the mixture consists of ingredient(s) of unknown toxicity.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|----------|-------|------|
| Ethylbenzene 100-41-4 | A3 | Group 2B | | X |
| Formaldehyde 50-00-0 | A2 | Group 1 | Known | X |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen. A2 - Suspected Human Carcinogen.

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans. Group 1 - Carcinogenic to Humans.

NTP (National Toxicology Program)

Known - Known Carcinogen.

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present.

Skin corrosion/irritation Causes skin irritation

Serious eye damage/eye irritation Causes serious eye damage

Skin sensitization May cause an allergic skin reaction

Respiratory sensitization Not applicable

Germ cell mutagenicity Not applicable

Carcinogenicity Suspected of causing cancer

Reproductive Toxicity Suspected of damaging fertility or the unborn child

Specific target organ toxicity (single exposure) May cause drowsiness or dizziness May cause respiratory irritation

Specific target organ toxicity (repeated exposure)

May cause damage to the following organs through prolonged or repeated exposure: Ears

Aspiration hazard May be fatal if swallowed and enters airways

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Environmental precautions Prevent product from entering drains.

Persistence and degradability

No information available

Bioaccumulation

No information available

Mobility

No information available

Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

Section 14: TRANSPORT INFORMATION

| | | | |
|---------------------------|----------------------|-----------------------|-----------------------|
| 14.1 UN/ID no | DOT UN1263 | IMDG UN1263 | IATA UN1263 |
| 14.2 Proper shipping name | Paint | Paint | Paint |

| | | | |
|----------------------------------|---|--|---------------|
| 14.3 Hazard Class | 3 | 3 | 3 |
| 14.4 Packing Group | III | III | III |
| 14.5 Environmental hazard | | | |
| 14.6 Special Provisions | B1, B52, IB3, T2, TP1, TP29, 367 Emergency Response Guide Number 128 | 163, 223, 367 955 EmS-No F-E, S-E | A3, A72, A192 |

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

No information available

The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.

Section 15: REGULATORY INFORMATION

International Inventories

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

All components are listed or exempt from listing. (Active List).

DSL - Canadian Domestic Substances List

All components are listed or exempt from listing

US Federal Regulations

| Chemical Name | SARA 313 - Threshold Values % | Metals | Hazardous air pollutants (HAPs) content |
|------------------------------------|----------------------------------|--------|--|
| Xylenes 1330-20-7 10 - 25 | 1 | | Present |
| Ethylbenzene 100-41-4 5 - 10 | 0.1 | | Present |
| 1-Butanol 71-36-3 3 - 5 | 1 | | |
| Toluene 108-88-3 0.1 - 0.3 | 1 | | Present |

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------------|--------------------------------|------------------------|---------------------------|-------------------------------|
| n-Butyl acetate 123-86-4 | 5000 lb | | | X |
| Xylenes 1330-20-7 | 100 lb | | | X |
| Ethylbenzene 100-41-4 | 1000 lb | X | X | X |
| Toluene 108-88-3 | 1000 lb | X | X | X |
| Formaldehyde 50-00-0 | 100 lb | | | X |

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|-----------------------------|--------------------------|----------------|--|
| n-Butyl acetate 123-86-4 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Xylenes 1330-20-7 | 100 lb | | RQ 100 lb final RQ RQ 45.4 kg final RQ |
| Ethylbenzene 100-41-4 | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |
| 1-Butanol 71-36-3 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Isobutyl alcohol 78-83-1 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Toluene 108-88-3 | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |
| Formaldehyde 50-00-0 | 100 lb | 100 lb | RQ 100 lb final RQ RQ 45.4 kg final RQ |

US State Regulations

Rule 66 status of product

Photochemically reactive.

California Proposition 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

U.S. EPA Label information

EPA Pesticide registration number Not applicable

U.S. State Right-to-Know Regulations

| |
|--|
| Chemical Name |
| n-Butyl acetate 123-86-4 |
| Xylenes 1330-20-7 |
| Proprietary Non-Hazardous Ingredient - Proprietary CAS |
| Proprietary Non-Hazardous Ingredient - Proprietary CAS |
| Proprietary Non-Hazardous Ingredient - Proprietary CAS |
| Proprietary Color Pigment |
| Ethylbenzene 100-41-4 |
| 1-Butanol 71-36-3 |
| Isobutyl alcohol 78-83-1 |
| Toluene 108-88-3 |
| Formaldehyde 50-00-0 |

Section 16: OTHER INFORMATION

HMIS

Health hazards 3*

* = Chronic Health Hazard

Flammability 3

Physical hazards 0

Personal Protection X

Supplier Address

| | |
|-------------------|---------------------|
| Valspar Coatings | Valspar Automotive |
| 701 Shiloh Rd. | 600 Nova Drive S.E. |
| Garland, TX 75042 | Massillon, OH 44646 |
| 972-276-5181 | 330-830-6000 |

Prepared By Product Stewardship

Revision date 26-Sep-2020

Revision Note No information available

Disclaimer

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS

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End of Safety Data Sheet