Speedball Underglaze

SAFETY DATA SHEET (SDS)

Version: 01
Date of Issue: March 23, 2020

According to: OSHA Hazard Communication Standard 29 CFR 1910.1200(g) Rev. 2012, WHMIS 2015 (Hazardous Products Regulations)

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name: Speedball Underglaze
Product Description: Liquid formulations (2 fl. oz. and 8 fl. oz.) intended to be applied with a brush and used for arts and crafts purposes.

1.2 Relevant identified uses of the substance or mixture

Relevant identified use(s): Use product for its intended purpose as an underglaze and for arts and crafts purposes. This product is intended for home studios and small batch use.

1.3 Details of the supplier of the safety data sheet

2301 Speedball Road
Statesville, NC, USA, 28677
Business Phone: 704-978-4196

1.4 Emergency telephone number

Emergency Telephone: 704-978-4196

Section 2 – Hazard(s) Identification

2.1. Classification of the substance or mixture

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Health	Environmental	Physical
Not classified	Not classified	Not classified

2.2. Label elements

Label Pictogram: None required
Signal Word: None required
Hazard statement: None required

2.3. Other hazards

- None identified

Section 3 – Composition / Information on Ingredients

Mixture

Chemical Name	CAS No.	EINECS No.	% Weight
Limestone/Dolomite	1317-65-3	215-279-6	0% - 3.8%

Note: This product contains other chemicals that may be considered hazardous in a dry/solid form. However, given the form of the product (liquid), these chemicals are not considered hazardous, and are not required to be disclosed in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200(g) Rev. 2012, WHMIS 2015 (Hazardous Products Regulations).

Section 4 – First Aid Measures

4.1 Description of first aid measures

Eye contact: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and immediately flush eyes with water. Seek medical attention if in doubt.

Skin contact: No specific first aid measures are required. Wash skin thoroughly with soap and water. If skin irritation or rash occurs get medical attention. Launder contaminated clothing before reuse.

Inhalation: Inhalation route of exposure is not anticipated with intended use. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

Ingestion: No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to **Section 11** - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Not required

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding area if material is involved in a fire (e.g., water fog, water spray, foam, dry chemical or carbon dioxide).

Unsuitable Extinguishing Media: None known

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards: Material will not burn until water has been evaporated. Container may rupture on heating. See also **Section 10** - Stability and Reactivity.

5.3 Advice for firefighters

- Wear a self-contained breathing apparatus.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment (PPE) and emergency procedures

Personal Precautions: Minimize dust generation. Ventilate area if spilled in confined space or other poorly ventilated areas. Observe PPE advice in **Section 8** – Exposure Controls/Personal Protection.

Emergency Procedures: No specific precautions required**.** Keep unauthorized personnel away.

6.2 Environmental precautions:

- Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities. Prevent further leakage or spillage if it is safe to do so.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Collect recoverable product and place in a designated container for recycle and/or disposal. Residual liquid can be absorbed on inert material. Dispose of contents/container in accordance with local/regional/national/international regulations.
Wash with soap and water. Spilled liquid and dried film are slippery. Use care to avoid falls.

6.4 Reference to other sections

- Refer to **Section 8** - Exposure Controls/Personal Protection and **Section 13** – Disposal Considerations.

Section 7– Handling and Storage

7.1 Precautions for safe handling

- Avoid contact with eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Provide adequate ventilation. Observe good industrial hygiene practices. When using do not eat, drink or smoke. Wear appropriate personal protective equipment. Stir well before use. Keep containers closed when not in use. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Launder contaminated clothing before reuse.
- Refer to **Section 8** - Exposure Controls/Personal Protection

7.2 Conditions for safe storage, including any incompatibilities

- Keep from freezing. Do not store in open, unlabeled or mislabeled containers. Store away from incompatible materials. See **Section 10** for incompatible materials.

7.3 Specific end use(s)

- Refer to **Section 1.2** - Relevant identified uses.

Section 8– Exposure Controls / Personal Protection

8.1 Control Parameters:

Occupational exposure limits: Airborne/respirable particles are not foreseeable under conditions of normal use. See **Section 1 - Identification of the Substance/Mixture and of the Company/Undertaking** for additional information.

8.2 Exposure Controls:

Appropriate engineering controls

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

8.3 Personal Protective Equipment

Note: Consider the concentration and amount of product at the workplace when selecting PPE. Use protective equipment as required.

Respiratory:	Under normal conditions of use, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.
Eyes/Face:	If contact is likely, safety glasses with side shields are recommended.
Hands:	Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur, wear chemically protective gloves.
Body/Skin:	Gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material.
Thermal Hazards:	None known
Environmental Exposure Controls:	Not available
Hygiene measures:	Observe good industrial hygiene practices. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace and should be washed before reuse. When using the product do not eat, drink or smoke.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

Appearance: **Physical state:** **Form:** **Color:** **Odor:**	 Liquid Liquid Not available Not available	**Partition Coefficient n-octanol/water:** **Auto-ignition temperature:**	Not available Not available
Odor threshold:	Not available	**Decomposition temperature:**	Not available
pH (as supplied):	Not available	**Dynamic viscosity:**	Not available
Freezing point:	Not available	**Molecular weight:**	Not available
Boiling point:	Not available	**Taste:**	Not available
Flash point:	Not available	**Explosive properties:**	Not available
Evaporation rate:	Not available	**Oxidizing properties:**	Not available
Flammability:	Not available	**Surface tension:**	Not available
Upper/lower explosive limits:	Not available	**Gas group:**	Not available
Vapor pressure:	Not available	**pH (as solution):**	Not available
Water solubility:	Not available	**VOC:**	Not available
Solubility (other):	Not available	**Particle size range:**	Not available
Vapor density (Air = 1):	Not available	**Specific gravity (Water = 1):**	Not available
Relative density:	Not available		

9.2 Other information

- No data available

Section 10 – Stability and Reactivity

10.1 Reactivity

- No data available

10.2 Chemical stability

- This material is considered stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

- None known

10.4 Conditions to avoid

- None known

10.5 Incompatible materials

Contact with acids, bases and strong oxidizing agents

10.6 Hazardous decomposition products

- Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

Section 11 – Toxicological Information

Likely routes of exposure: Skin contact
Potential signs and symptoms:

Acute oral toxicity:	Practically nontoxic based on animal studies. The oral ATE >5000.
Acute dermal toxicity:	Practically non-toxic based on available data.
Acute inhalation toxicity:	Practically non-toxic based on available data.
Skin corrosion/irritation:	The components in this product are not irritating to the skin based on available data.
Serious eye damage/irritation:	Limestone/Dolomite (CAS No. 1317-65-3) may be irritating to the eyes. Symptoms include redness, itchiness, swelling, and pain. The other components in this product are not irritating to the eyes based on animal studies and available data.
Respiratory or skin sensitization:	The components in this product are not sensitizing to the skin or respiratory system based on available data.
Mutagenicity:	Vanadium oxide (CAS No. 1314-62-1), and cobalt (CAS No. 7440-48-4) are classified for mutagenicity. No other components are classified with respect to mutagenicity by the IARC, NTP, and ACGIH. Based on the concentration of these chemicals in the product and/or the liquid form of the product, the product does not require classification for this endpoint.
Carcinogenicity:	Crystalline silica (quartz) (CAS No. 14808-60-7), formaldehyde (CAS No. 50-00-0), cadmium/selenium compound (listed as cadmium compound (CAS No. 7440-43-9), are classified for carcinogenicity. No other components are classified with respect to carcinogenicity by the IARC, NTP, and ACGIH. Based on the concentration of these chemicals in the product and/or the liquid form of the product, the product does not require classification for this endpoint.
Reproductive Toxicity:	The components in this product are not reproductive hazards based on available information, human and/or animal studies.
Specific target organ toxicity (single exposure):	The components in this product are not single exposure specific target organ toxicity hazards based on available information, human and/or animal studies.
Specific target organ toxicity (repeated exposure):	The components in this product are not repeated exposure specific target organ toxicity hazards based on available information, human and/or animal studies.
Aspiration hazard:	The components in this product are not aspiration hazards based on available information, human and/or animal studies.

References:
ECHA. 2020. REACH Registered Substances Database.

Section 12 – Ecological Information

12.1 Toxicity

- This product is not expected to be harmful or toxic to aquatic life.

12.2 Persistence and degradability

- No product data available.

12.3 Bioaccumulative potential

- Limestone/Dolomite (CAS No. 1317-65-3) exhibits no bioaccumulative effect.

12.4 Mobility in Soil

- No data available

12.5 Results of PBT and vPvB assessment

- No data available

12.6 Other adverse effects

- No further data available

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

Contaminated Packaging: Container packaging may exhibit hazards.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport. Review classification requirements before shipping materials at elevated temperatures.

	ADR/RID/ADNR/DOT	IMO/IMDG	ICAO/IATA
14.1 UN number	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es):	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	None	None	None
14.6 Special precautions for user	None	None	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United States

Federal Regulations:

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):

Chemical Name	CAS No.	Reportable Quantity	Calculated [a]
Formaldehyde	50-00-0	100 lbs	> 1,000,000 lbs

[a] The amount of product required to be released before CERCLA reporting is required

Clean Water Act (CWA): No components in this product are listed as toxic pollutants.
Clean Air Act (CAA): Formaldehyde (CAS No. 50-00-0) is listed under the organic hazardous air pollutant national emission standards, Section 112(r). No other components in this product are listed under the CAA.
Superfund Amendments and Reauthorization Act (SARA) Title III Information:
SARA 302 Components: Formaldehyde is subject to the reporting requirements of S. 302. No components in this product are subject to reporting requirements of S.302.

SARA 304 Emergency Release Notification:

Chemical Name	CAS No.	Percent by Weight (ppm)	Calculated
Formaldehyde	50-00-0	<0.01	> 1,000,000 lbs

SARA 311/312 Hazards: None.
SARA 313 Components: Aluminum oxide (fibrous forms) (CAS No. 1344-28-1), cadmium compounds (no CAS No. listed), formaldehyde (CAS No. 50-00-0), and cobalt (no CAS No. listed) are listed. No other components in this product are subject to reporting requirements of S.313.
Toxic Substances Control Act (TSCA): All components are listed on the non-confidential TSCA inventory or are exempt. This product contains one or more polymers manufactured under the polymer exemption rule.

State Regulations:
California: Crystalline silica (quartz) (CAS No. 14808-60-7), formaldehyde (CAS No. 50-00-0), cadmium/selenium compound (listed as cadmium compound (CAS No. 7440-43-9), vanadium oxide (CAS No. 1314-62-1), and cobalt (CAS No. 7440-48-4) are listed under Proposition 65 (CA Health & Safety Code Section 25249.5) as a chemicals known to the state to cause cancer/reproductive toxicity. Based on the concentration of these chemicals in the product and/or the liquid form of the product, product does not warrant warnings for the purpose of California Proposition 65. No other components in this product are listed.

Canada CEPA DSL/NDSL: The components of this product are included on the DSL or are exempt from DSL/NDSL requirements

International:
IARC: Crystalline silica (quartz) (CAS No. 14808-60-7) (Group 1), formaldehyde (CAS No. 50-00-0) (Group 1), cadmium/selenium compound (listed as cadmium compound (CAS No. 7440-43-9) (Group 1), vanadium oxide (CAS No. 1314-62-1) (Group 2B), and cobalt (CAS No. 7440-48-4) (Group 2B), are listed by the IARC. No other components in this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment
- None available for the components in this product.

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

Section 16 – Other Information

List of acronyms and abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists	IMO: International Maritime Organization
ADR: International Carriage of Dangerous Goods by Road	MARPOL: Maritime Pollution
ADNR: Regulation for the carriage of dangerous substances on the Rhine	mg/L: Milligrams per Liter
CAA: Clean Air Act	NTP: National Toxicology Program
CAS: Chemical Abstract Service Number	OSHA: Occupational Safety and Health Administration
CERCLA: Comprehensive Environmental Response and Liability Act	PBT: Persistent, Bioaccumulative and Toxic
CLP: Classification, Labelling and Packaging Regulation (EC) No 1272/2008	PPE: Personal Protective Equipment
CWA: Clean Water Act	ppm: Parts Per Million
ECHA: European Chemicals Agency	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
EINECS: European Inventory of Existing Chemical Substances	RID: International rule for transport of dangerous
GHS: Global Harmonized System	SARA: Superfund Amendment and Reauthorization Act
IBC: International Bulk Chemical	SDS: Safety Data Sheet
IARC: International Agency for Research on Cancer	TSCA: Toxic Substances Control Act
IATA: International Air Transport Association	TWA: Time Weighted Average (8-hour)
ICAO: International Civil Aviation Organization	UN: United Nations
IMDG: International Maritime Dangerous Goods	vPvB: very Persistent, very Bioaccumulative

References:

- European Chemicals Agency (ECHA) Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- International Agency for Research on Cancer (IARC).

Disclaimer:
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Revision Indicator: This is a new Safety Data Sheet.
Creation Date: March 20, 2020