



SAFETY DATA SHEET

1. Identification

Product identifier USG Durock™ Brand Screws for Wood or Metal Studs

Other means of identification

SDS number 05000014002

Synonyms Screws, Fasteners

Recommended use Interior use.

Recommended restrictions Use in accordance with manufacturer's recommendations.

Manufacturer/Importer/Supplier/Distributor information

Company name United States Gypsum Company

Address 550 West Adams Street
Chicago, Illinois 60661-3637

Telephone 1-800-874-4968

Website www.usg.com

Emergency phone number 1-800-507-8899

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement None.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Get medical attention/advice if you feel unwell.

Storage Store as indicated in Section 7.

Disposal Dispose of in accordance with local, state, and federal regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information Steel products in their usual physical form do not pose any health hazards. However, when subjected to welding, burning, grinding, cutting, abrasive blasting or similar operations, potentially hazardous fumes or dust may be emitted. Despite the fact that these operations may emit potentially hazardous fumes or dust the air concentrations generated of these components are considered extremely low.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
1018-1022 Carbon steel w/5 microns yellow zinc dichromate	65997-19-5	100

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation Due to the physical nature of this product, inhalation is unlikely. There are no known health effects due to inhalation.

Skin contact Wash with mild soap and water. If irritation persists, contact physician.

Eye contact	In case of contact, do not rub or scratch your eyes. If eye damage occurs, consult physician.
Ingestion	Do not put screws in your mouth. If ingestion occurs please contact a physician immediately.
Most important symptoms/effects, acute and delayed	Under normal conditions of intended use, this material does not pose a risk to health.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved.

5. Fire-fighting measures

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	Not applicable.
Specific hazards arising from the chemical	Not a fire hazard.
Special protective equipment and precautions for firefighters	Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use standard firefighting procedures and consider the hazards of other involved materials.
Specific methods	Cool material exposed to heat with water spray and remove it if no risk is involved.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	See Section 8 of the SDS for Personal Protective Equipment.
Methods and materials for containment and cleaning up	No specific clean-up procedure noted. For waste disposal, see Section 13 of the SDS.
Environmental precautions	Avoid discharge to drains, sewers, and other water systems.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes. Wear the appropriate eye protection (see Section 8). Use good safety and industrial hygiene practices. Never place metal fasteners in mouth.
Conditions for safe storage, including any incompatibilities	Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
1018-1022 Carbon steel w/5 microns yellow zinc dichromate (CAS 65997-19-5)	Ceiling	0.05 mg/m3	Dust.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Ventilation is not normally required.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear approved safety goggles.
Skin protection	
Hand protection	Use of protective gloves while handling screws are recommended.
Other	Not necessary under normal conditions.
Respiratory protection	Not necessary under normal conditions.
Thermal hazards	None.

General hygiene considerations

Wash hands thoroughly after handling coated screws before eating, drinking or smoking. Never place metal screws in your mouth.

9. Physical and chemical properties

Appearance

Physical state	Solid.
Form	Screws.
Color	Blue (coating)
Odor	Low to no odor.
Odor threshold	Not applicable.
pH	Not applicable.
Melting point/freezing point	2750 °F (1510 °C)
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not applicable.
Flammability limit - upper (%)	Not applicable.
Explosive limit - lower (%)	Not applicable.
Explosive limit - upper (%)	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	7.1 - 8.1
Solubility(ies)	
Solubility (water)	Not soluble.
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not applicable.
Viscosity	Not applicable.
Other information	
Bulk density	440 - 510 lb/ft ³
VOC (Weight %)	Not applicable.

10. Stability and reactivity

Reactivity	The product is stable and non reactive under normal conditions of storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Will react with strong acid to liberate hydrogen.
Hazardous decomposition products	At temperatures above the melting point, may liberate fumes containing oxides of iron and alloying elements.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Due to the physical form of the product it is not an inhalation hazard.
Skin contact	Sharp metal fasteners may cut skin if protective gloves are not used. No significant skin hazard under normal conditions.

Eye contact	Contact with sharp edges may cut the eye and cause eye damage.
Ingestion	Ingestion may cause irritation and stomach discomfort.
Symptoms related to the physical, chemical and toxicological characteristics	Under normal conditions of intended use, this material does not pose a risk to health.
Information on toxicological effects	
Acute toxicity	Not expected to be a hazard under normal conditions of intended use.
Skin corrosion/irritation	Sharp metal fasteners may cut skin. Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Contact with sharp edges may cut the eye and cause eye damage.
Respiratory or skin sensitization	
Respiratory sensitization	None known.
Skin sensitization	None known.
Germ cell mutagenicity	None known.
Carcinogenicity	This material is not classified as a carcinogen by IARC, ACGIH, NTP or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity	
1018-1022 Carbon steel w/5 microns yellow zinc dichromate (CAS 65997-19-5)	2B Possibly carcinogenic to humans.
NTP Report on Carcinogens	
Not listed.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not listed.	
Reproductive toxicity	None known.
Specific target organ toxicity - single exposure	None known.
Specific target organ toxicity - repeated exposure	None known.
Aspiration hazard	Due to the physical form of the product it is not an aspiration hazard.
Further information	No other specific acute or chronic health impact noted.

12. Ecological information

Ecotoxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Bioaccumulation is not expected.
Mobility in soil	No data available.
Other adverse effects	None expected.

13. Disposal considerations

Disposal instructions	Any excess product can be recycled for further use, disposed in a permitted waste landfill, or disposed by other methods which are in accordance with local, state and federal regulations.
Local disposal regulations	Dispose of in accordance with local regulations.
Hazardous waste code	Not regulated.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Dispose of in accordance with local regulations.

14. Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is not hazardous according to OSHA 29CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
1018-1022 Carbon steel w/5 microns yellow zinc dichromate	65997-19-5	100

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

1018-1022 Carbon steel w/5 microns yellow zinc dichromate (CAS 65997-19-5)

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

1018-1022 Carbon steel w/5 microns yellow zinc dichromate (CAS 65997-19-5)

US. California Proposition 65

Not Listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 03-August-2015

Revision date -

Version # 01

Further information

Packaging: Packaging consists of cardboard master cases made from 77% recycled materials using water soluble inks and plastic jars manufactured from low density polyethylene.

Zinc dichromate: The base steel this product is composed of is coated with zinc dichromate and the finished product has an additional Xylan polymer coating applied per manufacturer's specifications. Due to this additional coating and the state of the product as a finished article, no exposure to zinc dichromate is expected during the normal intended use of the product.

NFPA Ratings:

Health: 0

Flammability: 0

Physical hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

NFPA ratings**List of abbreviations**

NFPA: National Fire Protection Association.

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.