

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	100, 102, 104, 108 Mold Release
Registration number	-
Synonyms	None.
Issue date	06-December-2013
Version number	02
Revision date	06-December-2013
Supersedes date	06-December-2013

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Mold Release.
Uses advised against	Use in accordance with supplier's recommendations.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier	Granitize Products, Inc. 11022 Vulcan Street South Gate, CA 90280-0893 US
Telephone:	(562) 923-5438
Emergency	CHEMTREC: (800) 424-9300 CHEMTREC International: 00 1-703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification F;R11, Xn;R65, Xi;R38, R67, N;R51/53

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable solids Category 2 H228 - Flammable solid.

Health hazards

Skin corrosion/irritation Category 2 H315 - Causes skin irritation.

Specific target organ toxicity - single exposure Category 3 narcotic effects H336 - May cause drowsiness or dizziness.

Aspiration hazard Category 1 H304 - May be fatal if swallowed and enters airways.

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard Category 2 H411 - Toxic to aquatic life with long lasting effects.

Hazard summary

Physical hazards	Highly flammable.
Health hazards	Irritating to skin. Also harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Specific hazards	Vapors may form explosive vapor/air mixtures.
Main symptoms	Symptoms include itching, burning, redness, and tearing of eyes. Itching, redness, burning of skin. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Swallowing or vomiting of the liquid may result in aspiration into the lungs.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Mineral spirits

Hazard pictograms**Signal word**

Danger

Hazard statements

H228 - Flammable solid.
 H304 - May be fatal if swallowed and enters airways.
 H315 - Causes skin irritation.
 H336 - May cause drowsiness or dizziness.
 H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements**Prevention**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P240 - Ground/bond container and receiving equipment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P273 - Avoid release to the environment.
 P261 - Avoid breathing mist or vapour.
 P271 - Use only outdoors or in a well-ventilated area.

Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P370 + P378 - In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P391 - Collect spillage.
 P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P312 - Call a POISON CENTRE or doctor/physician if you feel unwell.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention.
 P362 - Take off contaminated clothing and wash before reuse.
 P337 + P313 - If eye irritation persists: Get medical advice/attention.

Storage

P403 + P235 - Store in a well-ventilated place. Keep cool.
 P405 - Store locked up.

Disposal

P501 - Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Supplemental label information Not applicable.

2.3. Other hazards Not assigned.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Mineral spirits	70 - 80	64742-88-7 265-191-7	05-2116350757-37-0000	649-405-00-X	
Classification:		DSD: R10, Xn;R65, Xi;R38, R67, N;R51-53			
		CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, STOT RE 2;H373, Aquatic Chronic 2;H411			
Carnauba wax	10 - 15	8015-86-9 232-399-4	-	-	
Classification:		DSD: -			
		CLP: -			
Polyalkyl siloxane	5 - 10	63148-62-9	-	-	
Classification:		DSD: Xi;R36			
		CLP: Eye Irrit. 2;H319			
Polyethylene, oxidized	1 - 5	68441-17-8	-	-	
Classification:		DSD: -			
		CLP: -			

SECTION 4: First aid measures

General information	Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
4.1. Description of first aid measures	
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Immediately rinse mouth and drink a cupful of water. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately.
4.2. Most important symptoms and effects, both acute and delayed	Symptoms include itching, burning, redness, and tearing of eyes. Itching, redness, burning of skin. Vapours may cause drowsiness and dizziness. Swallowing of the liquid, or vomiting as a result, may result in aspiration into the lungs.
4.3. Indication of any immediate medical attention and special treatment needed	Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards	Flammable solid.
5.1. Extinguishing media	
Suitable extinguishing media	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Not available.
5.2. Special hazards arising from the substance or mixture	Not available.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
Special fire fighting procedures	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do it without risk. Withdraw immediately in case of rising sound from venting safety device or any discolouration of tanks due to fire. In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Water runoff can cause environmental damage.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Not available.
For emergency responders	Keep unnecessary personnel away.
6.2. Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
6.3. Methods and material for containment and cleaning up	Remove sources of ignition. Should not be released into the environment. Prevent entry into waterways, sewers, basements or confined areas. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Sweep up and place in a clearly labeled container for chemical waste.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Keep away from heat and sources of ignition. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Use Personal Protective Equipment recommended in section 8 of the SDS. When using, do not eat, drink or smoke. Wash thoroughly after handling.
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7.2. Conditions for safe storage, including any incompatibilities Keep away from heat, sparks and open flame. Keep in a well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s) Mold release.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).
Biological limit values No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures Follow standard monitoring procedures.
Derived no-effect level (DNEL) Not available.
Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Use explosion-proof equipment.

Individual protection measures, such as personal protective equipment

General information Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection Wear approved safety glasses or goggles. Wear face shield if there is risk of splashes.
Skin protection
- **Hand protection** Chemical resistant gloves are recommended.
- **Other** Wear suitable protective clothing and gloves.
Respiratory protection Wear a CEN approved respirator, with appropriate cartridge or canister, suitable for airborne concentration levels present.
Thermal hazards Not applicable.
Hygiene measures Handle in accordance with good industrial hygiene and safety practices. Provide eyewash station and safety shower.
Environmental exposure controls Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Wax.
Physical state Solid.
Form Wax.
Colour Various.
Odour Hydrocarbon-like.
Odour threshold Not available.
pH Not available.
Melting point/freezing point Not available.
Initial boiling point and boiling range Not available.
Flash point > 38,0 °C (> 100,4 °F) Cleveland closed cup (Estimated)
Evaporation rate Not available.
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits
Flammability limit - lower (%) Not available.
Flammability limit - upper (%) Not available.
Vapour pressure Not available.
Vapour density Not available.
Relative density <= 1 (Estimated)
Solubility(ies) Negligible.

Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Heat, flames and sparks. Electrostatic Discharge.
10.5. Incompatible materials	Strong oxidising agents. Water. Moist air.
10.6. Hazardous decomposition products	Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

General information	May be fatal if swallowed and enters airways. Occupational exposure to the substance or mixture may cause adverse effects.
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Information on likely routes of exposure

Ingestion	Ingestion may cause irritation and malaise. May be fatal if swallowed and enters airways. Swallowing or vomiting of the liquid may result in aspiration into the lungs.
Inhalation	May cause respiratory irritation. Vapours may cause drowsiness and dizziness.
Skin contact	Irritating to skin.
Eye contact	Causes serious eye irritation.

Symptoms	Irritation of nose and throat. Symptoms include itching, burning, redness, and tearing of eyes. Itching, redness, burning of skin. Vapours may irritate throat and respiratory system and cause coughing. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
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11.1. Information on toxicological effects

Acute toxicity	Causes skin and eye irritation. Vapours may cause drowsiness and dizziness. May be fatal if swallowed and enters airways. May cause respiratory irritation.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory sensitisation	Not assigned.
Skin sensitisation	Not assigned.
Germ cell mutagenicity	Not assigned.
Carcinogenicity	Not assigned.
Reproductive toxicity	Not assigned.
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
Specific target organ toxicity - repeated exposure	Not assigned.
Aspiration hazard	May be harmful if swallowed and enters airways. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Mixture versus substance information	Not available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity	No toxicity data noted for the ingredient(s).
12.2. Persistence and degradability	Not available.
12.3. Bioaccumulative potential	Not available.

Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Offer rinsed packaging material to local recycling facilities.
EU waste code	Waste codes should be assigned by the user based on the application for which the product was used. The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Do not incinerate sealed containers. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.

SECTION 14: Transport information

ADR

14.1. UN number	UN3175
14.2. UN proper shipping name	Solids containing flammable liquid, n.o.s. (Mineral spirits)
14.3. Transport hazard class(es)	4.1
Subsidiary class(es)	-
14.4. Packing group	II
14.5. Environmental hazards	Yes
Tunnel restriction code	Not available.
Labels required	4.1
14.6. Special precautions for user	Not available.

RID

14.1. UN number	UN3175
14.2. UN proper shipping name	Solids containing flammable liquid, n.o.s. (Mineral spirits)
14.3. Transport hazard class(es)	4.1
Subsidiary class(es)	-
14.4. Packing group	II
14.5. Environmental hazards	Yes
Labels required	4.1
14.6. Special precautions for user	Not available.

ADN

14.1. UN number	UN3175
14.2. UN proper shipping name	Solids containing flammable liquid, n.o.s. (Mineral spirits)
14.3. Transport hazard class(es)	4.1
Subsidiary class(es)	-
14.4. Packing group	II
14.5. Environmental hazards	Yes
Labels required	4.1
14.6. Special precautions for user	Not available.

IATA

14.1. UN number	UN3175
14.2. UN proper shipping name	Solids containing flammable liquid, n.o.s. (Mineral spirits)
14.3. Transport hazard class(es)	4.1
Subsidiary class(es)	-

14.4. Packing group	II
14.5. Environmental hazards	Yes
Labels required	Not available.
ERG code	3L
14.6. Special precautions for user	Not available.

IMDG

14.1. UN number	UN3175
14.2. UN proper shipping name	Solids containing flammable liquid, n.o.s. (Mineral spirits)
14.3. Transport hazard class(es)	4.1
Subsidiary class(es)	-
14.4. Packing group	II
14.5. Environmental hazards	
Marine pollutant	Yes
Labels required	Not available.
EmS	F-A, S-I
14.6. Special precautions for user	Not available.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Mineral spirits (CAS 64742-88-7)

Directive 94/33/EC on the protection of young people at work

Not listed.

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations

Not available.

15.2. Chemical safety assessment

Not available.

SECTION 16: Other information

List of abbreviations

DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration.
CLP: Regulation No. 1272/2008.
DSD: Directive 67/548/EEC.

References

Not available.

Information on evaluation method leading to the classification of mixture

Not available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R10 Flammable.
R11 Highly flammable.
R36 Irritating to eyes.
R38 Irritating to skin.
R51 Toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs (<@1>) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Training information

Not available.