

MSDS UNITEX Material Safety Data Sheet

STEELGUARD SP

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MSDS Number: 3011

Revision Date: Jan. 18, 2004

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

UNITEX

3101 Gardner Ave.
Kansas City, MO 64120

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Product Name: STEELGUARD SP
Revision Date: Jan. 18, 2004
MSDS Number: 3011
Product Code: STEELGUARD
Product Use: Moisture cure drying agent and form release.
EMERGENCY TELEPHONE No.: 800-424-9300 CHEMTREC 24 hrs.

MSDS Prepared by: Wm. Michael Simmons Phone No.: 800-821-5846

HMIS Codes: Health (1) Flammability (2) Reactivity (0) PPE (B)

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
8052413	Mineral spirits	70-80%
64742525	Petroleum Hydrocarbon	10-20%

Remaining component's identity withheld as a trade secret. Not considered a hazardous material or carcinogen (1910.1200 Hazard Communication 9d) 4).

3 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

Target Organs: No data available.

Inhalation: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than recommended exposure limits.

Skin Contact: Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Eye Contact: May cause mild irritation. Symptoms include stinging, tearing, and redness. Additional symptoms of eye exposure may include: blurred vision.

Ingestion: Ingesting small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or

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vomiting. This results in lung inflammation and other lung injury.

Mineral Spirits

CAS# 8052413

Aliphatic Hyrdocarbons (Stoddard type)

1,3,5-Trimethylbenzene CAS# 108678

1,2,4-Trimethylbenzene CAS# 95636

Xylene CAS#1330207

Ethylbenzene CAS#100414

% by weight

78 - 80%

1 - 4%

1 - 4%

0 - 2%

0 - 0.1% (Trace)

	OSHA PEL TWA	OSHA VPEL TWA	ACGIH TLV
Mineral Spirits	500 ppm	100 ppm	100 ppm
1,3,5-Trimethylbenzene	No exposure limits established		
1,2,4-Trimethylbenzene	No exposure limits established		
Xylene	100 ppm	150 ppm	100 ppm
		150 ppm STEL	150 ppm STEL
ETHYLBENZENE	100 ppm	100 ppm	100 ppm
		125 ppm STEL	125 ppm STEL

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FIRST AID MEASURES

- Inhalation:** If overexposure occurs, remove victim to fresh air. If breathing stops, administer artificial respiration. Seek immediate medical attention.
- Skin Contact:** Remove contaminated clothing as soon as possible. Wash exposed skin thoroughly with soap and water. If irritation persists, consult a physician. Launder contaminated clothing before reuse. Extremely contaminated leather shoes should be discarded.
- Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. If necessary, gently hold eyelids open during the flush. Immediately seek medical attention.
- Ingestion:** If a large amount of material is swallowed, do not induce vomiting. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs. Immediately consult a physician. Do not attempt to give liquid to an unconscious person.

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: redness of the face neck, mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), central nervous system excitation (giddiness, liveliness, light-headed feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, effects on memory, respiratory depression (slowing of the breathing rate), shortness of breath, loss of coordination, confusion, irregular heartbeat, narcosis (dazed sluggish feeling), respiratory failure.

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FIRE FIGHTING MEASURES

Flash Point: 120 deg F.
Flash Point Method: Tag Closed Cup
Burning Rate: No data available
Autoignition Temperature: No data available
LEL: 0.7%
UEL: 5.0%
Flammability Classificati Combustible Liquid

Other:

Special Fire Fighting Procedures: None. Avoid breathing smoke. NFPA Class B-C fire extinguisher (dry chemical, carbon dioxide or foam). Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Avoid spraying directly into containers to prevent boilover. Explosion hazard when exposed to heat and flame. Vapor is heavier than air and can travel a considerable distance to a source of ignition and flashback. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; containers may

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explode and cause injury or death.

6 ACCIDENTAL RELEASE MEASURES

Small Spills: Absorb liquid on vermiculite, floor absorbent or other petroleum absorbent material.

Large Spills: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product into clean containers for recovery. Absorb unrecoverable product. Transfer absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

7 HANDLING AND STORAGE

Handling Precautions: For professional use only. Avoid eye/skin contact. Wash after using and before eating or smoking. Avoid breathing vapors. Use as directed. Avoid uncontrolled mixing with oxidizers. Respiratory protection is required when ventilation is inadequate. NIOSH/OSHA approved respirators should be provided and worn. Any use of this product in elevated temperature process should be thoroughly evaluated to establish and maintain safe operating conditions.

Storage Requirements: Store in a cool dry location. Store away from sparks and open flames. Avoid exposing to moisture during storage - may result in loss of product performance.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Protective Equipment: VENTILATION: Provide general or local exhaust systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into work area by controlling it at its source.

RESPIRATORY PROTECTION: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear OSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

PROTECTIVE CLOTHING/EQUIPMENT: Wear protective gloves and boots to prevent prolonged or repeated skin contact. Wear protective goggles per OSHA eye and face protection regulation (29 CFR 1910.133).

CONTAMINATED EQUIPMENT: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your work shoes and clean personal protective equipment.

OTHER PRECAUTIONS: Never eat, drink or smoke in work areas.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale yellow	Boiling Point:	No data available.
Physical State:	Liquid	Freezing/Melting Pt.:	No data available
Odor:	Kerosene	Solubility:	Insoluble
pH:	No data available		

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Vapor Pressure: <50

Spec Grav./Density: (H₂O=1) <1

Vapor Density: (Air=1) 5-11

VOC: 600 g/l

Percent Volatile: 5%

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STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Avoid exposing to moisture during storage. Heat and flames.

Materials to avoid (incompatibility): Oxidizers.

Hazardous Decomposition products: Carbon monoxide and other petroleum decomposition products.

Hazardous Polymerization: Will not occur.

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TOXICOLOGICAL INFORMATION

No data available. Acute and Chronic toxicity, oral toxicity and dermal toxicity data not available.

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ECOLOGICAL INFORMATION

No data available.

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DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction.

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TRANSPORT INFORMATION

Shipping Name: Combustible Liquid (Contains Mineral Spirits) N.O.S. UN1993, PGIII.

Combustible Warning & Placards required only when packaged in containers holding 119 gallons or more.

Flammable Warning & Placards required only when shipping 1,000 lbs. or more by air or water.

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REGULATORY INFORMATION

This MSDS has been prepared in accordance with federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

HMIS Codes: Health (1) Flammability (2) Reactivity (0) PPE (B)

This product has been reviewed according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA (Toxic Substances Control Act)

The intentional ingredients of this product are listed (mineral spirits).

CERCLA RQ - 40 CFR 302.4(a)

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Component	RQ LBS.
Xylene (O-, M-, P- Isomers)	100
Ethylbenzene	1000

SARA 302
Not listed

SARA 313
1,2,4-Trimethylbenzene CAS# 95636 1-4%
Xylene (Mixed Isomers) CAS# 1330207 0-2%
Ethylbenzene CAS# 100414 0-0.1% (trace)

OSHA Process Safety Management - Not listed

EPA Accidental Release Prevention - Not listed

California Proposition 65 - None

New Jersey RTK Label Information
Stoddard Solvent CAS# 8052413
1,3,5-Trimethylbenzene CAS# 108678
Pseudocumene CAS# 95636
Xylenes CAS# 1330207
Ethyl Benzene CAS# 100414

Pennsylvania RTK Label Information
Stoddard Solvent CAS# 8052413
Pseudocumene CAS# 95636
Benzene, Dimethyl CAS# 1330207
Benzene, Ethyl CAS# 100414

Based on the available information, this material cannot be classified with regard to carcinogenicity. Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. IARC (International Agency for Research on Cancer) has classified ethylbenzene as a possible human carcinogen.

Other Health Effects (No data available)

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OTHER INFORMATION

The information and recommendations in this document are based on the best information available to us as the time of preparation. We make no other warranty, expressed or implied, as to the correctness or completeness, or as to the results or reliance of this product.

END OF MSDS DOCUMENT