

Issue Date: 01-Sep-2012

Revision Date: 01-Aug-2016

Version 3

1. IDENTIFICATION

Product Identifier

Product Name Slide Mold Shield Rust Preventive

Other means of identification

SDS # 42910

Product Code 42910

Synonyms Rust Preventive Compound

"Dry" Rust Preventive.

UN/ID No UN1950

Other Information Formula: 54891.

Recommended use of the chemical and restrictions on use

Recommended Use Industrial rust preventive.

Details of the supplier of the safety data sheet

Supplier Address

BMS France

53, route des Contamines - 74370 Argonay

France

Emergency Telephone Number

Company Phone Number

Phone: +33 (0)4 50 27 29 00

Mail: info@bmsfrance.eu

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Tan liquid

Physical State Aerosol

Odor Faintly disagreeable odor

Classification

| | |
|--|------------|
| Skin corrosion/irritation | 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 Aerosols | Category 1 |

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

Signal Word

Danger

Hazard Statements

Causes skin irritation
 Suspected of damaging fertility or the unborn child
 May cause drowsiness or dizziness
 May cause damage to organs through prolonged or repeated exposure
 May be fatal if swallowed and enters airways
 Extremely flammable aerosol

**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Do not breathe dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Do not spray on an open flame or other ignition source
 Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash it before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do not induce vomiting

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Rust Preventative Compound
 "Dry" Rust Preventative.
Chemical Family Petroleum derivative.

| Chemical Name | CAS No | Weight-% |
|---|------------|----------|
| Hexane | 110-54-3 | 55-65 |
| Propane | 68476-86-8 | 25-35 |
| Benzenesulfonic Acid, mono-C16-24-alkyl Derivatives | 70024-71-4 | 5-10 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|-----------------------|---|
| General Advice | When symptoms persist or in all cases of doubt seek medical advice. |
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs. |
| Inhalation | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician if you feel unwell. |
| Ingestion | Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. |

Most important symptoms and effects

| | |
|-----------------|--|
| Symptoms | Aspiration hazard: if swallowed can enter lungs and cause damage. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause irritation to the mucous membranes and upper respiratory tract. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

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|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO₂). Foam. Water.

Unsuitable Extinguishing Media Use water spray with caution to prevent the spread of flames.

Specific Hazards Arising from the Chemical

Extremely flammable. Pressurized container: May burst if heated. Containers may explode when heated. Vapors are heavier than air and may spread along floors. Combustion products may be toxic.

Hazardous Combustion Products Carbon oxides. Oxides of sulfur. Various unidentified organic compounds.

Sensitivity to Mechanical Impact Yes.

Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do it without risk. Cool containers exposed to fire with water. Do not release runoff from fire control methods to sewers or waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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|----------------------------------|--|
| Personal Precautions | Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Ventilate affected area. Remove all sources of ignition. Refer to protective measures listed in sections 7 and 8. |
| Environmental Precautions | Do not allow material to contaminate ground water system. Prevent product from entering drains. See Section 12 for additional Ecological Information. |

Methods and material for containment and cleaning up

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|--------------------------------|---|
| Methods for Containment | Remove leaking container to outside disposal site. |
| Methods for Clean-Up | Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. |

7. HANDLING AND STORAGE**Precautions for safe handling**

| | |
|--------------------------------|---|
| Advice on Safe Handling | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash thoroughly after handling. Pressurized container: Do not pierce or burn, even after use. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Avoid contact with skin, eyes or clothing. Always replace cap after use. Empty containers may contain flammable vapors/residue. |
|--------------------------------|---|

Conditions for safe storage, including any incompatibilities

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|-------------------------------|---|
| Storage Conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not expose to temperatures exceeding 50 °C/122°F. Keep away from heat. Inspect containers periodically for defects. Protect container from physical damage. Protect from sunlight. |
| Incompatible Materials | Oxidizing agents. Halogenated compounds. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------|-------------------|--|---|
| Hexane 110-54-3 | TWA: 50 ppm S* | TWA: 500 ppm TWA: 1800 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m ³ | IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m ³ |

Appropriate engineering controls

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|-----------------------------|---|
| Engineering Controls | Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapor below the OEL, suitable respiratory protection must be worn. Eyewash stations. Showers. |
|-----------------------------|---|

Individual protection measures, such as personal protective equipment

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|---------------------------------|--|
| Eye/Face Protection | Wear eye/face protection. Goggles. |
| Skin and Body Protection | Wear suitable gloves. Wear suitable protective clothing. |
| Respiratory Protection | Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded. |

General Hygiene Considerations Do not breathe vapors or spray mist. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|------------|-----------------------|---------------------------|
| Physical State | Aerosol | Odor | Faintly disagreeable odor |
| Appearance | Tan liquid | Odor Threshold | Not determined |
| Color | Tan | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|--|-------------------------|
| pH | No information available | |
| Melting Point/Freezing Point | < -40 °C / <-40 °F | |
| Boiling Point/Boiling Range | 39.4-40 °C / 103-104 °F | |
| Flash Point | No information available | |
| Evaporation Rate | No information available | |
| Flammability (Solid, Gas) | Flammable aerosol | |
| Upper Flammability Limits | 7.5% | |
| Lower Flammability Limit | 1.2% | |
| Vapor Pressure | 137 mmHg | @ 21 °C (70 °F) |
| Vapor Density | Heavier than air | |
| Specific Gravity | 0.644 | |
| Water Solubility | None | |
| Solubility in other solvents | No information available | |
| Partition Coefficient | No information available | |
| Auto-ignition Temperature | No information available | |
| Decomposition Temperature | No information available | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | No information available | |
| Explosive Properties | Pressurized container: May burst if heated | |
| Oxidizing Properties | None known | |
| VOC Content (%) | No information available | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Avoid direct sunlight. Do not expose to temperatures exceeding 50 °C/122°F. Do not puncture or incinerate cans.

Incompatible Materials

Oxidizing agents. Halogenated compounds.

Hazardous Decomposition Products

Carbon oxides. Sulfur oxides. Various unidentified organic compounds.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|--------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Causes skin irritation. |
| Inhalation | Do not inhale. |
| Ingestion | Do not ingest. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------|-------------------|-------------------------|-------------------------|
| Hexane 110-54-3 | = 25 g/kg (Rat) | = 3000 mg/kg (Rabbit) | = 48000 ppm (Rat) 4 h |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

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

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|---------------------------------|---|
| Carcinogenicity | Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
| Reproductive toxicity | Suspected of damaging fertility or the unborn child. |
| STOT - single exposure | May cause drowsiness or dizziness. |
| STOT - repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | May be fatal if swallowed and enters airways. |

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--------------------|----------------------|---|----------------------------|------------------------------------|
| Hexane 110-54-3 | | 2.1 - 2.98: 96 h Pimephales promelas mg/L LC50 flow-through | | 1000: 24 h Daphnia magna mg/L EC50 |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|-----------------------|-----------------------|
| Propane 68476-86-8 | <=2.8 |

Other Adverse Effects

Not determined

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

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|--------------------|-----------------------------------|
| Hexane 110-54-3 | Toxic Ignitable |

14. TRANSPORT INFORMATION

Note Based on package size, product may be eligible for limited quantity exception.

DOT (each not exceeding 1 L capacity)

UN/ID No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1

IATA

UN/ID No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1

IMDG

UN/ID No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION**International Inventories**

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Hexane | Present | X | | Present | | Present | X | Present | X | X |
| Propane | Present | X | | Present | | | X | Present | X | X |
| Benzenesulfonic Acid, mono-C16-24-alkyl Derivatives | Present | X | | | | Present | X | Present | X | X |

Legend:*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances***US Federal Regulations****CERCLA**

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|--------------------|--------------------------|----------------|--|
| Hexane 110-54-3 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

SARA 313

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|-------------------|----------|----------|-------------------------------|
| Hexane - 110-54-3 | 110-54-3 | 60 | 1.0 |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|--------------------|------------|---------------|--------------|
| Hexane 110-54-3 | X | X | X |

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| 16. OTHER INFORMATION |
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NFPA**Health Hazards****Flammability****Instability****Special Hazards**

Not determined

Not determined

Not determined

Not determined

HMIS**Health Hazards****Flammability****Physical Hazards****Personal Protection**

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Issue Date: 01-Sep-2012**Revision Date:** 01-Aug-2016**Revision Note:** New format**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet