



MATERIAL SAFETY DATA SHEET

STEEL SHINE

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Steel Shine
GENERAL/GENERIC NAME:
PRODUCT USE: Steel Cleaner
EFFECTIVE DATE: AUGUST 21, 2014
VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.
9 City View Drive, Etobicoke, Ontario M9W 5A5
24 HOUR EMERGENCY NO. 613-996-6666

SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

Name CAS# % by Weight TLV/PEL LC50 LD50
Isopropyl alcohol 67-63-0 1-5 TWA: 400 16970 ppm/4hrs. 3600 mg/kg
CEIL: 500 ppm (Vapor Rat) (Oral Mouse)
TWA: 900
CEIL: 1225 mg/m³
Normal heptane 000142825 10-30 TWA: 400 Not available Not available
CEIL: 500 ppm
TWA: 1600
CEIL: 2000 mg/m³
Liquefied petroleum gas 068476857 10-30 TWA: 1000 Not available Not available
CEIL: 1250 ppm
TWA: 1800
CEIL: 2250 mg/m³

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry:

Skin Contact: May cause irritation.

Eye Contact: May cause transient irritation.

Inhalation: Mist may cause irritation of the respiratory tract.

Ingestion: May cause irritation to digestive tract.

Effects of Acute Exposure: (see section 11 for Toxicological information).

SECTION 4 – FIRST AID

Eyes: Flush with running water for at least 15 minutes while holding eyelids open. Get medical attention.

Skin Contact: Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use. Seek medical attention if skin is burned or symptoms continue.

Inhalation: Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention. Effects may be delayed for a few hours and aggravated by physical exertion.

Ingestion: Give plenty of water to drink to dilute stomach contents. **Do not induce vomiting.** Seek immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABILITY: Flammable Aerosol

AUTO-IGNITION TEMPERATURE: 215°C (419°F)

FIRE DEGRADATION PRODUCTS: These products are carbon oxides (CO, CO₂).and other irritating gases.

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FLASH POINTS: CLOSED CUP: -4°C (24.8°F) (TAGLIABUE)

FLAMMABLE LIMITS: LOWER: 1% UPPER: 12%

FIRE EXTINGUISHING PROCEDURES: Flammable liquid, insoluble in water. SMALL FIRE Use DRY chemicals, CO₂, alcohol foam or water spray. LARGE FIRE Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Avoid spreading burning liquid with water used to cool containers. Self-contained respiratory protection should be provided for firefighters.

FLAMMABILITY: Extremely flammable in presence of open flames and sparks, and heat. Very slightly to slightly flammable in presence of oxidizing materials.

The flashpoint of an aerosol by WHMIS definition is determined by its flame-extension or its flashback. The flame extension of this product is greater than 45 cm. Cdn. NFC. Level 3.

RISKS OF EXPLOSION: Risks of explosion of the product in presence of mechanical impact: Do not subject aerosol cans to impact. Risk of explosion of the product in the presence of static discharge: Aerosol spray may be sensitive to static discharge due to flammable concentrate and flammable propellant. Vapours of this product may form a flammable/explosive mixture when vapours present are between the lower (0.6%) and upper (19%) flammable limits and come into contact with open flames, sparks or static discharge Do not expose aerosol containers to open flames, heat or ignition sources.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak/Spill: Contain spill; absorb onto inert material.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures: Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. . Keep container closed when not in use.

Storage Procedures: Keep from freezing. Keep containers closed when not in use.

SECTION 8 – EXPOSURE CONTROLS

Engineering Controls: Emergency shower should be in close proximity. Eye wash facility should be close in proximity.

RESPIRATORY PROTECTION:

VENTILATION: General ventilation adequate.

PROTECTIVE GLOVES: Gloves, impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE MEASURES: Apron and boots recommended under exceptional circumstances such as spill or for prolonged contact with bulk quantities.

SECTION 9 – PHYSICAL PROPERTIES

BOILING POINT: 82.22°C(180°F) VOLATILITY: Not available

VAPOR PRESSURE: 15.5 mm of Hg (@ 20°C) EVAPORATION RATE: 4.5

VAPOR DENSITY: 2.68 (Air = 1) pH(1% sol/water): Neutral

SOLUBILITY: Insoluble in water VISCOSITY: Not available

PHYSICAL STATE & COLOR: Clear liquid, Mint odour ODOUR THRESHOLD: The highest known value

SPECIFIC GRAVITY: 0.745(Water = 1) is 49 ppm (Normal heptane)

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS DECOMP. PRODUCTS: Not available

PRODUCTS OF DEGRADATION: These products are carbon oxides (CO, CO₂) and other irritating gases.

REACTIVITY: Avoid contact with strong oxidizing agents, strong acids and strong alkalies. Keep away from heat, sparks, open flame and all possible ignition sources.

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SECTION 11 – TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Eye contact, Skin contact, Inhalation, Ingestion

EFFECTS OF ACUTE EXPOSURE:

EYE: Contact may cause irritation, redness, tearing and itching.

SKIN CONTACT: Contact may cause defatting, drying and cracking of the skin.. Prolonged and repeated contact may lead to dermatitis.

INHALATION: Vapours may be irritating to nose, throat and respiratory tract. Excessive inhalation of vapors may cause nasal and respiratory irritation and Central Nervous System effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis, which can be fatal. Seek medical advise immediately and show the container or the label.

PRODUCT NAME: Steel Shine CODE: 6903 PAGE: 3

EFFECTS OF CHRONIC EXPOSURE:

IRRITANCY: Hazardous by WHMIS criteria.

RESPIRATORY TRACT SENSITIZATION: No data available.

CARCINOGENIC EFFECTS: The ingredients of this product have been listed as carcinogens by the National Toxicology Program (NTP).

MUTAGENIC EFFECTS: No information available and no adverse effects are anticipated.

TERATOGENIC EFFECTS: No information available and no adverse effects are anticipated. Toxicity of the product to the reproductive system: Not available.

SYNERGISTIC MATERIALS: Not available.

SECTION 12 – ECOLOGICAL CONSIDERATION

NA

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: In accordance with federal, provincial or local government requirements.

SECTION 14 – TRANSPORT INFORMATION

TDG Classification: Consumer Commodity

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: Class A: Compressed gas. CODE: 6903

Class B-5: Flammable aerosol.

Class D-2B: Material causing other toxic effects (TOXIC).

SECTION 16 – OTHER INFORMATION

Prepared by: Lab Personnel

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