

Squeal Stop

Safety Data Sheet

Squeal Stop Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.
Date of issue: 6/30/2015 Revision date: 6/30/2015 Version: 1.0

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

1.1. Product identifier

Product name : Squeal Stop
Product code : SS/30P

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

Use of the substance/mixture : Automotive application—Brake pad anti-glaze coating.

1.3. Details of the supplier of the safety data sheet

Justice Brothers, Inc.
2734 Huntington Drive
Duarte, CA - USA
91010
T (626) 359-9174 (M-F, 8am-5pm PST)

1.4. Emergency telephone number

Emergency number : CHEMTREC International +1 (703) 527-3887 24 hr.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable Liquids—2
Eye Irritant—2A

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : Highly flammable liquid and vapor. Causes serious eye irritation.
Precautionary statements (GHS-US) : Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash skin thoroughly after handling. Wear protective globes/eye protection/face protection. IF ON SKIN (or hair); Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention/advice. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Store in a well-ventilated place. Keep cool. Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substance

Mixture

3.2. Hazardous Componets

Name	Product identifier	%	Classification
Isopropanol	(CAS No) 67-63-0	10	Flam. Liq. 2; H225, STOT SE; H336 Eye Irrit. 2A; H319

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SECTION 4: First aid measures

4.1. Description of first aid measures

- Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
- First-aid measures after ingestion : Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
- First-aid measures after skin contact : If on skin, rinse well with water. First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. If on clothes, remove clothes.
- First-aid measures after eye contact : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.
- First-aid measures after inhalation : If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

4.2 Effects of exposure, most important symptoms and effects, both acute and delayed

- Acute Health Hazards : Administration of high doses of isopropanol in combination with known hepatotoxic chemicals resulted in enhanced liver toxicity in experimental animals. Sign and symptoms of exposure to this material through breathing, swallowing and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, and diarrhea), irritation (nose, throat, and airways), confusion, lung edema (fluid buildup in the lung tissue). Causes serious eye irritation.
- Note to Physician : No hazards which require special first aid measures.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, foam, alcohol-resistant foam, dry chemical and CO₂. Do not use high volume water jet.

5.2. Special hazards arising from the substance or mixture

- Fire & explosion hazards : Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. No known hazardous combustion products.

5.3. Advice for firefighters

- Firefighting Procedures : Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

SECTION 6: Accidental release measures

6.1. Spills

- Personal Precautions, PPE and Emergency Procedures : Evacuate personnel to safe areas. Remove all sources of ignition. Ensure adequate ventilations. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Persons not wearing protective equipment should be excluded from spill until clean-up has been completed.
- Environmental Precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities..
- Methods and Materials for containment and clean-up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).
- Other Information : Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapors/mists with a water spray jet.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling and storage

Handling and Storage : Open drum carefully as content may be under pressure. Avoid formation of an aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapors/dust. Do not smoke. Container hazardous when empty. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose rinse water in accordance with local and national regulations.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. No smoking. Electrical installation/ working materials must comply with the technological safety standards.

7.3. Special Precautions

No further information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Propane/n-Butane	
OSHA/ACGIH PEL (TLV) (ppm)	1000
Isopropyl Alcohol	
OSHA/ACGIH PEL (TLV) (ppm)	400/200
Triethylene Glycol	
OSHA/ACGIH/NIOSH PEL (TWA) (ppm)	No established limit

8.2. Exposure controls

Engineering Measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Hand Protection Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and Body Protection : Wear as appropriate: Impervious clothing, safety shoes, flame-resistant clothing. Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures : Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State : Liquid.

Color : Black.

Odor : Solvent-Like.

Odor threshold : No data available.

pH : No data available.

Relative evaporation rate (butylacetate=1) : No data available.

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Melting point/Freezing point	: No data available.
Flammability	: Flammable Aerosol.
Boiling point	: 234.5°F/112.5°C (1013.33hPa).
Flash point	: 19.9°F/-6.7°C (Tag closed cup).
Self ignition temperature	: Not determined.
Evaporation Rate	: No data available.
Flammability Limits	: No data available.
Vapor pressure	: 33.0000 mmHg (68.00°F)
Relative vapor density (Air = 1)	: 2.5
Specific Gravity (H ₂ O=1)	: 0.8 (25°C)
Solubility in Water	: No data available.
Solubility in other solvents	: Not determined.
Partition Coefficient: n-Octanol/Water (K _{ow})	: Not determined.
Viscosity	: Not determined.
Volatility Including Water	: 99%.
Explosive properties	: No data available.
Dielectric Strength (Volts)	: Not applicable.
Decomposition Temperature	: Not determined.

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical Stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Vapors may form explosive mixture with air.

10.4. Conditions to avoid

Heat, flames, sparks.

10.5. Hazardous decomposition products

Carbon dioxide and carbon monoxide.

10.6. Incompatible Materials

Acids, aldehydes, alkalis, amines, ethylene oxide, halogenated hydrocarbons, halogens, isocyanates, strong oxidizing agents. Do not use with aluminum equipment at temperatures above 49°C or 120°F.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information : Isopropyl Alcohol (67-63-0) LD₅₀ (Oral, Rat) 5.84 g/kg; LD₅₀ (Dermal, Rabbit) 12, 8000 mg/kg;
LC50 (Inhalation, Rat, 4hr) 16,000 ppm.

Routes of Entry	: Eyes, Ingestion, Inhalation, Skin
Eyes	: Causes moderate to severe irritation, redness, tearing, pain.
Ingestion	: May cause gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, depending on the amount ingested. Small amounts unlikely to cause irritation.
Inhalation	: Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation.
Skin	: Contact with liquid can freeze tissue similar to thermal burn.
Medical Condition Aggravated	: Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

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Acute Health Hazards	: Eyes: redness, tearing, blurred vision; Skin: defatting and dermatitis; Oral: abdominal irritation, nausea, vomiting, and diarrhea.
Chronic Health Hazards	: Skin disorders, drying and irritation of the skin.
Carcinogenicity	: OSHA: No ACGIH: No NTP: No IARC: No Other: N/A.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Isopropyl Alcohol (67-63-0) LC₅₀ (Fathead Minnow, 96hrs) 5,770-7,450 mg/L.

12.2. Persistence and degradability

Component or components of this product are not biodegradable.

12.3. Bioaccumulative potential

This product is not expected to bioaccumulate.

12.4. Mobility in Soil

This product is mobile in soil.

12.5. Other adverse effects

This material is toxic to aquatic life.

SECTION 13: Disposal considerations

13.1. Disposal methods

General Advice : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Dispose of in accordance with all applicable local, state and federal regulations.

Contaminate Packaging : Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

14.1. UN Number

UN Number (DOT) : UN 1993

14.2. UN Proper Shipping Name

Proper Shipping Name : Flammable Liquid, N. O. S. (Isopropanol), Ltd. Qty.
Hazard Class/Division : 3
Packaging Group : II

14.3. Shipping by Water: Vessel (IMO/IMDG)

Proper Shipping Name : Flammable Liquid, n.o.s. (Isopropanol), Ltd, Qty.
Hazard Class/Division : 3
UN/NA NUMBER : UN 1993
Packaging Group : II

SECTION 15: Regulatory information

15.1. Federal regulations

TSCA Status	: All chemicals are listed or exempt.
CERCLA (Comprehensive Response Compensation, and Liability Act)	: Fire hazard.
SARA 311/312 Hazard Categories	: Acute Health, Fire
SARA 313 Reportable Ingredients	: Isopropyl Alcohol (67-63-0)
Clean Water Act	: None.

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State Regulations : California Proposition 65: None

International Regulations : All chemicals are listed or exempt. This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemical. Following is the hazard information as required on the pesticide label.

CAUTION: Keep out of reach of children. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands before eating, drinking, chewing gum, using Tabaco, or using the toilet. Harmful if swallowed. Flammable! Contents under pressure. Do not use near fire, sparks or flame. Do not puncture or incinerate container. Exposure to temperature above 130°F may cause bursting. EPA Reg. No. 44446-20

NFPA HEALTH: 1
NFPA FLAMMABILITY: 3
NFPA REACTIVITY: 0
NFPA OTHER: N/A

HMIS HEALTH: 2
HMIS FLAMMABILITY: 3
HMIS PHYSICAL HAZARD: 1
HMIS PROTECTION: A

16: Other Information

Indication of changes : None

Date of issue : 6/30/2015

Other information : N/A

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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