Section 1: Identification

Product Name:	Brake Anti-Squeal
Other name(s):	Quiet Brakes, Stop Squeal, No Squeal, Brake Quiet
Product Numbers:	Not applicable
Supplier: **Address:**	Bardahl Manufacturing Corp. Seattle, WA 98107
Telephone Number: **Facsimile:**	(206) 783-4851 (206) 784-3219
Transportation Emergency Response:	INFOTRAC Emergency Response Hotline Contract No. 107505 (800) 535-5053 USA and Canada (352) 323-3500 International

Section 2: Hazards Identification

Classified Hazards
Flammable Liquids -- Category 2
Eye Irritation – Category 2A

Other Hazards
None Known

Label Elements

SINGLE WORD - Danger

Hazard statement
Highly flammable liquid and vapor
Causes serious eye irritation

PREVENTION

Keep away from heat/sparks/open flames/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.

Section 3: Composition / Information on Ingredients

Chemical Name	CAS Number	Classification	Concentration
ISOPROPANOL	67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2A; H319 STOT SE 3; H336	10 – 29%

All concentrations are percent by weight.

Section 4: First Aid Measures

General advice	:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	:	If breathed in, move person into fresh air If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Section 5: Fire-Fighting Measures

Further information	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.
Special protective equipment	:	In the event of fire, wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: This material may burn, but will not ignite readily. Stay upwind and away from spill/release. Avoid direct contact with material. For large spillages, notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Environmental Precautions: Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Use water sparingly to minimize environmental contamination and reduce disposal requirements. If spill occurs on water notify appropriate authorities and advise shipping of any hazard. Spills into or upon navigable waters, the contiguous zone, or adjoining shorelines that cause a sheen or discoloration on the surface of the water, may require notification of the National Response Center (phone number 800-424-8802).

Methods and material for containment and cleaning up: Notify relevant authorities in accordance with all applicable regulations. Immediate cleanup of any spill is recommended. Dike far ahead of spill for later recovery or disposal. Absorb spill with inert material such as sand or vermiculite, and place in suitable container for disposal. If spilled on water remove with appropriate methods (e.g. skimming, booms or absorbents). In case of soil contamination, remove contaminated soil for remediation or disposal, in accordance with local regulations.

Recommended measures are based on the most likely spillage scenarios for this material; however local conditions and regulations may influence or limit the choice of appropriate actions to be taken. See Section 13 for information on appropriate disposal.

Section 7: Handling and Storage

Advice on safe handling	Open drum carefully as content may be under pressure. Avoid formation of 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 of rinse water in accordance with local and national regulations.
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 installations / working materials must comply with the technological safety standards. For personal protection see section 8: Dispose of rinse water in accordance with local and national regulations.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentratio	Basis
ISOPROPANOL	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		REL	400 ppm 980 mg/m3	NIOSH/GUI D E
		STEL	500 ppm 1,225 mg/m3	NIOSH/GUI D E
		PEL	400 ppm 980 mg/m3	OSHA_TRA NS
		TWA	400 ppm 980 mg/m3	TN OEL
		STEL	500 ppm 1,225 mg/m3	TN OEL

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissib le concentra	Basis
ISOPROPANOL	67-63-0	Acetone	Urine	Sampling time: End of shift at end of work week.	40 mg/l	
Remarks:	Nonspecific, Background					

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.

Personal protective equipment

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 work place. 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 6: Physical and Chemical Components

Physical state	:	liquid
Color	:	black
Odor	:	solvent-like
Odor Threshold	:	No data available
pH	:	No data available
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	234.5 °F / 112.5 °C (1013.33 hPa)
Flash point	:	19.9 °F / -6.7 °C Method: Tag closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	12.7 %(V)
Lower explosion limit	:	2 %(V)

Section 10: Stability and Reactivity

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Vapours may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.

Incompatible materials	:	Acids Aldehydes alkalis Amines Ethylene oxide halogenated hydrocarbons halogens isocyanates Strong oxidizing agents Do not use with aluminum equipment at temperatures above 49C or 120 degrees F.

Section 11: Toxicological Information

Information on Toxicological Effects of Substance/Mixture

Substance / Mixture

Acute Toxicity	Hazard	Additional Information	LC50/LD50 Data
Inhalation	Unlikely to be harmful		>5 mg/L (mist, estimated)
Dermal	Unlikely to be harmful		> 2 g/kg (estimated)
Oral	Unlikely to be harmful		> 5 g/kg (estimated)

Aspiration Hazard: Not expected to be an aspiration hazard.

Skin Corrosion/Irritation: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Serious Eye Damage/Irritation: Causes mild eye irritation.

Skin Sensitization: No information available on the mixture, however none of the components have been classified for skin sensitization (or are below the concentration threshold for classification).

Respiratory Sensitization: No information available.

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness and dizziness. Based on component information

Specific Target Organ Toxicity (Repeated Exposure): No information available on the mixture, however none of the components have been classified for target organ toxicity (or are below the concentration threshold for classification).

Carcinogenicity: No information available on the mixture, however none of the components have been classified for carcinogenicity (or are below the concentration threshold for classification).

Germ Cell Mutagenicity: No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).

Reproductive Toxicity: No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

Information on Toxicological Effects of Components

Distillates, petroleum, solvent-refined heavy paraffinic
Carcinogenicity: This oil has been highly refined by a variety of processes to reduce aromatics and improve performance characteristics. It meets the IP-346 criteria of less than 3 percent PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.

Petroleum distillates, hydrotreated light
Carcinogenicity: Petroleum middle distillates have been shown to cause skin tumors in mice following repeated and prolonged skin contact. Follow-up studies have shown that these tumors are produced through a non-genotoxic mechanism associated with frequent cell damage and repair, and that they are not likely to cause tumors in the absence of prolonged skin irritation.

Section 12: Ecological Information

Ecotoxicity

Components:

ISOPROPANOL:

Toxicity to fish : LC 50 (Fathead minnow (Pimephales promelas)): 5,770 - 7,450 mg/l
Exposure time: 96 h
Test Type: flow-through test

Toxicity to daphnia : LC 50 (Water flea (Daphnia magna)): > 10,000 mg/l
Exposure time: 24 h
Test Type: static test

Persistence and degradability Components:

No data available

Bioaccumulative potential

Components:

ISOPROPANOL:

Partition coefficient: n-octanol/water : log Pow: 0.05

Mobility in soil

Components:

No data available

Other adverse effects

No data available

Product:

Additional ecological information : No data available

Section 13: Disposal Considerations

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.

Contaminated 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

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

U.S. DOT - ROAD

	ORM-D, CONSUMER COMMODITY	ORM			

U.S. DOT - RAIL

	ORM-D, CONSUMER COMMODITY	ORM			

U.S. DOT - INLAND WATERWAYS

	ORM-D, CONSUMER COMMODITY	ORM			

TRANSPORT CANADA - ROAD

UN	1993	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL)	3	II	LIMITED QUANTITY

TRANSPORT CANADA - RAIL

UN	1993	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL)	3	II	LIMITED QUANTITY

TRANSPORT CANADA - INLAND WATERWAYS

UN	1993	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL)	3	II	LIMITED QUANTITY

INTERNATIONAL MARITIME DANGEROUS GOODS

UN	1993	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL)	3	II	LIMITED QUANTITY

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN	1993	Flammable liquid, n.o.s. (ISOPROPANOL)	3	II	LIMITED QUANTITY

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	1993	Flammable liquid, n.o.s. (ISOPROPANOL)	3	II	LIMITED QUANTITY

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

UN	1993	LIQUIDO INFLAMABLE, N.E.P. (ISOPROPANOL)	3	II	LIMITED QUANTITY

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant		no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

Section 15: Regulatory Information

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Component(s)SARA 313

Pennsylvania Right To Know

NON-HAZARDOUS CONFIDENTIAL COMPONENT(S)	Not Assigned	90.00 - 100.00 %
ISOPROPANOL	67-63-0	10.00 - 20.00 %

New Jersey Right To Know

NON-HAZARDOUS CONFIDENTIAL COMPONENT(S)	Not Assigned	90.00 - 100.00 %
ISOPROPANOL	67-63-0	10.00 - 20.00 %

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

ENCS : On the inventory, or in compliance with the inventory

KECL : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

AUSTR : On the inventory, or in compliance with the inventory

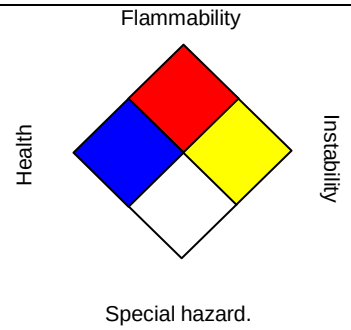
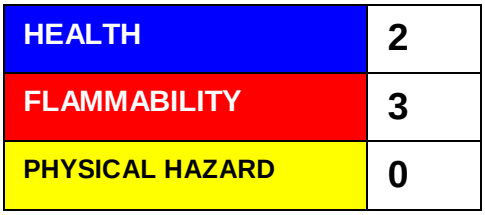
PICCS : On the inventory, or in compliance with the inventory

TSCA	:	On TSCA Inventory
DSL	:	All components of this product are on the Canadian DSL.
NZIOC	:	On the inventory, or in compliance with the inventory

Inventories
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

Section 16: Other Information

Further information
Revision Date: 05/21/2015

NFPA:	HMIS III:
	 0 = not significant, 1 =Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic

NFPA Flammable and Combustible Liquids Classification
Flammable Liquid Class IB

Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapor.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Sources of key data used to compile the Safety Data Sheet
Ashland internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that t

Information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :
ACGIH : American Conference of Industrial Hygienists BEI :
Biological Exposure Index
CAS : Chemical Abstracts Service (Division of the American Chemical Society).
CMR : Carcinogenic, Mutagenic or Toxic for Reproduction
FG : Food grade
GHS : Globally Harmonized System of Classification and Labeling of Chemicals. H-
statement : Hazard Statement
IATA : International Air Transport Association.
IATA-DGR : Dangerous Goods Regulation by the “International Air Transport Association” (IATA).

ICAO : International Civil Aviation Organization
ICAO-TI (ICAO) : Technical Instructions by the “International Civil Aviation Organization”
IMDG : International Maritime Code for Dangerous Goods
ISO : International Organization for Standardization logPow
: octanol-water partition coefficient
LCxx : Lethal Concentration, for xx percent of test population LDxx :
Lethal Dose, for xx percent of test population.
ICxx : Inhibitory Concentration for xx of a substance Ecxx :
Effective Concentration of xx
N.O.S.: Not Otherwise Specified
OECD : Organization for Economic Co-operation and Development OEL :
Occupational Exposure Limit
P-Statement : Precautionary Statement
PBT : Persistent , Bioaccumulative and Toxic PPE :
Personal Protective Equipment
STEL : Short-term exposure limit STOT :
Specific Target Organ Toxicity TLV :
Threshold Limit Value
TWA : Time-weighted average
vPvB : Very Persistent and Very Bioaccumulative
WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act DOT :
Department of Transportation
FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act HMIRC
: Hazardous Materials Information Review Commission HMIS :
Hazardous Materials Identification System
NFPA : National Fire Protection Association
NIOSH : National Institute for Occupational Safety and Health OSHA
: Occupational Safety and Health Administration
PMRA : Health Canada Pest Management Regulatory Agency RTK :
Right to Know
WHMIS : Workplace Hazardous Materials Information System