

1. Product and Company Identification

Identity (as used on label & list): **Super Sol 747 Cutting Coolant**
 Product Description: Base Oil and Additives
 Intended Use: Metal Working Coolant

Baum's Castorine Co., Inc. Telephone Number: (315) 336-8154
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Rome, N.Y. 13440 Date Prepared: April 11, 2015

2. Hazards Identification**Hazardous Classification:**

HMIS	
H	1
F	1
R	0
PPE †	
† Sec. 8	

Pictogram: None

Under conditions of intended use this product is not considered hazardous and does not pose a risk to health.

Signal word: Warning

Hazard Statement High-pressure injection under skin or into any part of the body may cause serious injury and should be evaluated immediately by physician [regardless of the appearance of the wound] as a surgical emergency.

Prolonged or repeated skin contact tends to remove skin oils leading to irritation & dermatitis. Based on toxicological data & human experience, the product is judged to be neither a "corrosive" nor an "irritant" by OSHA CRITERIA.

DOT Hazard Class: Not regulated. No labels required.

This product does not contain any chemicals subject to the reporting requirements of SARA 313.

The product is formulated from lubricating base stocks which are severely hydrotreated, solvent extracted, and/or processed by mild hydrotreatment and extraction. This material does not contain any chemical listed as a toxic, carcinogen or potential carcinogen by OSHA, IARC Monographs or National Toxicology Program Precautions.

5 mg/m³ for oil mists

Basis: Exposure Limit for Total Product:

Hydrotreated heavy naphthenic oil CAS 64742-52-5 5 mg/m³ for oil mists

OSHA Regulation 29 CFR 1910.1000 Recommended by the American Conference of Governmental Industrial Hygienists (ACGIH TLV)

Signs and Symptoms of Exposure:

Low order of toxicity. High-pressure injection under skin may cause serious injury.

Inhalation: Inhalation of excessive oil mists or hot vapor may have results ranging from headaches, dizziness or unconsciousness.

Eyes: Will cause irritation.

Skin: No acute effected expected for absorption. Prolonged contact may defat skin leading to irritation and dermatitis.

Oral: LD50 not established. Do not ingest.

Medical Conditions aggravated by exposure: None Recognized

3. Composition/ Information on Ingredients

Hydrotreated heavy naphthenic oil	64742-52-5	60%
C14 Olefin, Chloro	68410-99-1	8%
Fatty alcohol alkoxyolate	37335-03-8	5%
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine	4719-04-4	1%
2-Amino-2-methyl-1-propanol	124-68-1	<1%
Balance	proprietary	

All components in the product have been identified.

Ingredient	OSHA PEL		AGGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Naphthenic	5 mg/m ³	N/E	5 mg/m ³	N/E	N/E	N/E	N/E
Distillate (petroleum)	(oil mist)		(oil mist)				

(N/E) - None established

4. First Aid Measures

Inhalation: Vapor inhalation under ambient conditions is normally not a problem. If overcome with vapor from hot product, remove to fresh air. If irritation persists, seek medical attention. If breathing has stopped, assist ventilation with a mechanical device or use rescue breathing with a pocket mask.

Skin: Wash skin with soap & water. Remove contaminated clothing and launder before wearing. High pressure injection under the skin or into any part of the body should be evaluated immediately by physician [regardless of the appearance of the wound] as a surgical emergency.

Eyes: Flush with water for 15 minutes. If eye irritation persists, seek medical attention.

Oral: DO NOT induce vomiting. Seek medical attention if discomfort occurs.

5. Fire Fighting Measures

Flash Point (method used)		
ASTM D92. C.O.C.	335° F	
Flammable Limits Estimated Values	LEL	UEL
	ND	ND

HMIS	
H	1
F	1
R	0
PPE	†
† Sec. 8	

Extinguishing Media:

Water fog, dry chemical, foams or carbon dioxide. Straight streams of water are not appropriate.

Special Fire Fighting Procedures: NFPA Code: Health 1, Fire 1, Reactivity 0

Wear self-contained breathing apparatus when fighting fire in a confined space. Use water spray to cool fire-exposed surfaces and to protect personnel.

Unusual Fire and Explosion Hazards: None.

6. Accidental Release Measures

In the event of a spill or accidental release notify all relevant authorities in accordance with all applicable regulations. Recover free product, add absorbent (sand, earth, sawdust, etc.) to spill area. Keep petroleum products out of sewers and water courses by diking or impounding. Advise authorities if product has entered or may enter sewers, water courses or land areas.

7. Handling and Storage

Precautions to be taken in Handling and Storing:

Keep containers closed when not in use. Do not handle or store near heat, sparks, open flame or strong oxidants. Empty Drums can be dangerous. Do not pressurize, cut, weld or expose to sources of ignition as they may explode and cause injury or death. Empty drums should be completely drained, properly bunged and returned to a drum reconditioner.

Other precautions:

Avoid breathing oil mists. Remove contaminated clothing and laundry before re-use.

8. Exposure Controls/ Personal Protection**Respiratory Protection (specify type):**

Not normally needed. If oil mists are generated, observe the OSHA exposure limit of 5mg/m³. Use self-contained breathing apparatus (SCBA) protection in confined enclosed areas with hot vapor, mists or fumes.

Ventilation:

Local Exhausts. Use to capture vapor mists or fumes if necessary. Mechanical (general)

Special:

No special requirements under ordinary use with adequate ventilation.

Protective Gloves:

Normally not required. Use chemically resistant gloves for prolonged exposure.

Eye Protection:

Use splash goggles or face shield when eye contact may occur.

Other Protective Clothing / Equipment:

Wear oil impervious apron if product may be splashed onto clothing during work procedures. Avoid breathing oil mists. Remove oil soaked clothing and laundry before re-use.

Work/Hygienic Practices:

Avoid breathing oil mists. Always observe good personal hygiene practices, such as washing after handling the product. Remove oil soaked clothing and laundry before re-use. Discard any clothing or footwear that cannot be adequately cleaned.

9. Physical and Chemical Properties

Physical State	Liquid
Boiling Point (° F) I.B.P. approximately	212° F
Odor	Amine
Vapor Pressure (mmHg) @ 20° C.	< 1
Vapor Density (air=1)	> 1
Viscosity S.S.U. @ 100° F	465-500
Viscosity C.S.T. @ 40°C	90 - 110
Solubility in Water	Emulsifiable
Specific Gravity (H ₂ O=1)	0.967
Percent, Volatile by Volume (%) from open container in 4 hrs. @ 38° C (100° F)	negligible
Evaporation Rate (n-butyl acetate =1)	< 1
Appearance & Odor	Dark green liquid, amine odor

10. Stability and Reactivity

Chemical Stability:	Stable under normal use conditions
Conditions to Avoid:	Oxidizing agents

Materials to Avoid:	Oxidizing agents
Hazardous Decomposition or Byproducts:	Product does not decompose under use or storage conditions. Fumes, smoke, aldehydes, oxides of carbon, sulfur, phosphorous and nitrogen, in case of incomplete combustion
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxic Substances Control Act (TSCA): The individual ingredients in the product are listed in the ISCA inventory.

Product acute oral Toxicity of LD 50 (Rat) greater than 5g/Kg of body weight, and an acute dermal LD50 (rabbit) greater than 3.16g/Kg of body weight, based on testing of similar products. Product has a low order of acute oral and dermal toxicity but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild or severe pulmonary injury.

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

12. Ecological Information

Ecotoxicity: No information is available for the ecotoxicity of this product. Keep product out of sewers and waterways. Not expected to be toxic to aquatic organisms.

Environmental Fate: Base oil component is inherently biodegradable.

13. Disposal Considerations

Disposal should be in compliance with Federal, State and Local laws.
Reportable Quantity (RQ), EPA Regulation 40CR302: Not Applicable

14. Transport Information

USA DOT: Not regulated by USA DOT.
RID/ADR: Not regulated by RID/ADR.
IMO: Not regulated by IMO.
IATA: Not regulated by IATA.
Static Accumulator (50 picosiemens or less): Yes

15. Regulatory Information

US OSHA Hazard Communication Standard: No ingredients identified by OSHA are hazardous are known to be present, or the ingredients are present below levels specified by CFR 1910.1200 when used for its intended purposes.

EU Labeling: EU labeling not required. Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives.

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, METI and DSL.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

This product does not contain "extremely hazardous substances".

SARA (313) Reportable Hazard Categories: None.

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

16. OTHER INFORMATION

US NFPA Codes	Health	Fire	Reactivity
	1	1	0

HMIS Codes	Health	Fire	Reactivity	PPE
	1	1	0	Section 8

The information on this SDS reflects the latest information that we have on hazards, properties, and handling of this product under recommended conditions of use. This company believes this information to be accurate and reliable however, the accuracy and completeness is not guaranteed.