1. Product and Company Identification

Identity (as used on label & list):	**Dura Draw 898 Drawing Compound**
Product Description:	Lubricant
Intended Use:	Metal Processing
Baum's Castorine Co., Inc.	Telephone Number: (315) 336-8154
200 Matthew Street	Preparer: Paul Berger
Rome, N.Y. 13440	Date Prepared: April 11, 2015

2. Hazards Identification

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

Pictogram:
None

Signal word: Warning

HMIS	
H	1
F	1
R	0
PPE †	
† Sec. 8	

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.

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.

Exposure Limit for Total Product:
5 mg/m^3 for oil in air
5 mg/m^3 for oil mist or fumes

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

Signs and Symptoms of Exposure:
Low order of toxicity.

Inhalation: Low vapor pressure makes inhalation unlikely at standard temperatures and pressures. Mist or vapors may irritate mucous membranes. Exposure to high concentrations of vapor may cause central nervous system depression.

Eyes: Product contacting the eyes may cause irritation.

Skin: Prolonged or repeated contact with skin may cause mild irritation and possibly dermatitis.

Mutagenicity: Components give negative mutagenic results from modified Ames Assay.

Medical Conditions aggravated by exposure: Personnel with pre-existing skin disorders should avoid skin exposure to this product.

3. Composition/ Information on Ingredients

Hydrotreated Light Naphthenic Petroleum Oil Cas No.	64742-53-6	26%
Hydrotreated Heavy Naphthenic Petroleum Oil Cas No.	64742-52-5	22%
Fatty alcohol alkoxylate	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.

	OSHA PEL		AGGIH TLV		NIOSH REL		NIOSH
Ingredient	**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: 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.	305º F	
Flammable Limits	LEL	UEL
Estimated Values	0.9%	7%

Extinguishing Media:
Foam, dry chemical, carbon dioxide, water spray, and water fog. Straight streams of water are not appropriate.

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

Use water spray to cool fire-exposed surfaces and to protect personnel. Use air-supplied breathing equipment for enclosed areas.

Unusual Fire and Explosion Hazards:
Pressurized oil mist [suspended in air] may form an explosive mixture. Do not mix or store with strong oxidants like liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

7. Accidental Release

In the event of a spill or accidental release notify all relevant authorities in accordance with all applicable regulations. Shut off source taking normal safety precautions. Confine spill with booms, sand, sawdust or with fullers earth type oil absorbent. Recover liquid onto containers. Dispose of absorbed residues and recovered liquid in accordance with section 13. 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. Store in clean area and protect from airborne dust and foreign material. Do not handle or store near heat, sparks, flame or strong oxi-dants. Prevent small spills and leaks. Do not store in unlabeled containers. This material is a static accumulator. Do not eat drink or smoke when using this material.

Other precautions:
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.

8. Exposure Controls/ Personal Protection

Respiratory Protection (specify type):
If oil mists are generated, observe the OSHA exposure limit of 5mg/m^3. 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 launder 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 launder before re-use. Discard any clothing or footwear that cannot be adequately cleaned.

9. Physical and Chemical Properties

Physical State	Liquid
Appearance, Color	Brown
Flash Point	305^{O}F
Boiling Point (^{o} F) I.B.P. approximately	218^{O}F
Odor	Amine
Vapor Pressure (mmHg) @ 20^{o} C.	<1 mm HG
Vapor Density (air=1)	>1
Viscosity S.S.U.@ 100^{o} F	450-490
Solubility in Water	Emulsifiable in water
Specific Gravity @ 60 F ^{o}	0.935
ph @ 3% concentration	9.3
ph @ 10% concentration	9.5
Percent, Volatile by Volume (%)	negligible
Evaporation Rate (n-butyl acetate=1)	<0.01
Appearance & Odor	Clear brown, Mild, bland amine odor.

Flammable Limits	LEL	UEL
Estimated Values	ND	ND

10. Stability and Reactivity

Chemical Stability:	Stable under normal use and storage conditions
Conditions to Avoid:	High temperature and open flame.
Materials to Avoid:	Avoid oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.
Hazardous Decomposition or Byproducts:	Product does not decompose under use and 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

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

Ecotoxicological data have not been determined specifically for this product. Information given is based on knowledge of the components and the ecotoxicology of similar products.

Mobility: Liquid under normal environmental conditions. Emulsifies in water. If it enters soil, it will adsorb to soil particles.

Degradability: Major constituents are expected to be inherently biodegradable.

13. Disposal Considerations

Incinerate in an approved manner or use approved land fill facility. Disposal should be in compliance with Federal, State and Local laws.

RCRA STATUS: Not a hazardous waste under RCRA (40CFR 261)

14. Transport Information

USA DOT: Not dangerous goods
RID/ADR: Not dangerous goods
IATA: Not dangerous goods

15. Regulatory Information

DOT Hazard Class:	Not regulated
EPA Hazardous Substances:	None
SARA 311/312 Hazards:	Reportable hazard categories: Acute
California Proposition 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
Governmental Inventory Status:	All components comply with TSCA, DSL, AICS, NZIoC, ENCS, KECI, PICCS and IECSC.
SARA 313 reportable Substances	None

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.