DRUMMOND™
A LAWSON BRAND

Safety Data Sheet

Issue date 11-Jul-2018 **Revision date** 11-Jul-2018 **Revision Number** 1

1. IDENTIFICATION

Product identification

Product identifier	Drummond™ Keynote Multi-Purpose Cleaner/Degreaser
Other means of identification	DL1080
Recommended use	Cleaner
Restrictions on use	For industrial use only

Supplier

Corporate Headquarters:
Drummond™, A Lawson Brand
Lawson Products, Inc.
8870 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
(866) 837-9908

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Symbol

Signal word DANGER

Hazard statements H314 - Causes severe skin burns and eye damage

Precautionary statements

General

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use.

Prevention
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P280 - Wear protective gloves/protective clothing and eye/face protection
P264 - Wash face, hands and any exposed skin thoroughly after handling

Response

General P312 - Call a POISON CENTER or doctor if you feel unwell

Eyes P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention

Skin P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P363 - Wash contaminated clothing before reuse

Inhalation P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P310 - Immediately call a POISON CENTER or doctor/physician

Ingestion P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Storage P405 - Store locked up

Disposal P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Hazard(s) Not Otherwise Classified (HNOC) Not available.

Physical Hazards Not Otherwise Classified (PHNOC) Not available.

Unknown acute toxicity .03693%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition Mixture.

Chemical name	CAS-No	Weight %
Water	7732-18-5	60-100
Sodium metasilicate	6834-92-0	1-5
Sodium Dodecylbenzene Sulfonate	25155-30-0	1-5
2-Butoxyethanol	111-76-2	1-5
Trisodium Nitrilotriacetate	5064-31-3	<0.1
Sodium hydroxide	1310-73-2	<0.1

The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST-AID MEASURES

Necessary first-aid measures

General Information Get immediate medical advice/attention.

Inhalation Get medical attention immediately. Remove to fresh air. Provide oxygen or artificial

respiration if necessary.

Ingestion Immediate medical attention is required. Rinse mouth with water and spit out rinse. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Skin contact Immediate medical attention is required. Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and footwear.

Eye contact Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub eye.

Most important symptoms (acute) See section 11 for toxicological information.

Most important symptoms (over-exposure) Not available.

Indication of any immediate medical attention and special treatment needed Do not induce emesis or perform lavage. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. Do not give chemical antidote. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use the extinguishing media recommended for the burning material and fire situation.

Unsuitable extinguishing media Water spray may be ineffective.

Specific hazards The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Evacuate area of unprotected and unnecessary personnel. Put on appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Keep people away from and upwind of spill/leak.

Methods and materials for containment and cleaning up Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Dike far ahead of liquid spill for later disposal. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly. Dam up. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation wear suitable respiratory equipment. Use only with adequate and in closed systems.

Conditions for safe storage, including any Keep out of reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Incompatible with strong acids

incompatibilities and bases. Incompatible with oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Water	-	-	-
Sodium metasilicate	-	-	-
Sodium Dodecylbenzene Sulfonate	-	-	-
2-Butoxyethanol	Skin 50 ppm TWA 240 mg/m³ TWA	20 ppm TWA	5 ppm TWA 24 mg/m³ TWA
Trisodium Nitrilotriacetate	-	-	-
Sodium hydroxide	2 mg/m³ TWA	2 mg/m³ Ceiling	-

Appropriate engineering controls A safety shower and eye wash station should be available for emergency use. Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye protection Tightly fitting safety goggles. Face-shield.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended. Positive-pressure supplied air respirators may be required for high airborne contaminant concentration. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures Wash contaminated clothing before reuse. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland & Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Water	-	-	-	-	-	-	-	-	-	-
Sodium metasilicate	-	-	-	-	-	-	-	-	-	-
Sodium Dodecylbenzene Sulfonate	-	-	-	-	-	-	-	-	-	-
2-Butoxyethanol	20 ppm TWA 97 mg/m³ TWA	20 ppm TWA	20 ppm TWA	25 ppm TWA 121 mg/m³ TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWAEV 97 mg/m³ TWAEV	30 ppm STEL 20 ppm TWA
Trisodium Nitrilotriacetate	-	-	-	-	-	-	-	-	-	-
Sodium hydroxide	2 mg/m³ Ceiling	2 mg/m³ Ceiling	2 mg/m³ Ceiling	2 mg/m³ Ceiling	2 mg/m³ Ceiling	2 mg/m³ Ceiling	2 mg/m³ Ceiling	2 mg/m³ Ceiling	2 mg/m³ Ceiling	2 mg/m³ Ceiling

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear, Blue, Purple
Odor	Sassafras
Odor threshold	No information available
pH	12.0-13.0
Melting point/range °C	No data available
Melting point/range °F	No data available
Boiling point/range °C	100 °C
Boiling point/range °F	212 °F
Flash point °C	>93.33
Flash point °F	>200
Flash point method used	Not available
Evaporation rate	No data available
Flammability (Solid, Gas)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1.02
Solubility	completely soluble in water
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	No data available
Autoignition temperature °F	No data available
Decomposition temperature °C	No data available
Decomposition temperature °F	No data available
Viscosity	water thin

10. STABILITY AND REACTIVITY

Reactivity Not available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions None under normal conditions of use.

Conditions to avoid Exposure to air or moisture over prolonged periods.

Incompatible materials Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Dermal. Inhalation. Ingestion. Eyes.

Symptoms Avoid breathing vapors or mists. Breathing of vapor can cause respiratory irritation and inflammation. Breathing of mist or liquid can cause burns to the respiratory tract. Avoid contact with eyes. Causes severe eye damage. Avoid contact with skin. Contact with skin may cause severe irritation and burns. Prolonged or widespread contact may result in absorption of potentially harmful amounts of material. Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, esophagus and stomach.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects. May cause adverse liver effects. May cause adverse effects on the bone marrow and blood-forming system.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Water	-	-	> 90 mL/kg (Rat)
Sodium metasilicate	-	-	= 1153 mg/kg (Rat)
Sodium Dodecylbenzene Sulfonate	-	-	= 438 mg/kg (Rat) = 500 mg/kg (Rat) = 2050 mg/kg (Rat)
2-Butoxyethanol	= 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h	= 99 mg/kg (Rabbit)	= 470 mg/kg (Rat)
Trisodium Nitrilotriacetate	> 5 mg/L (Rat) 4 h	-	= 1100 mg/kg (Rat)
Sodium hydroxide	-	= 1350 mg/kg (Rabbit)	140 - 340 mg/kg (Rat)

ATEmix (dermal) 55,000 mg/kg

ATEmix (oral) 10,524 mg/kg

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) 22,500 mg/l

ATEmix (inhalation-dust/mist) 75.0 mg/l

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Water	-	-	-	-
Sodium metasilicate	-	-	-	-
Sodium Dodecylbenzene Sulfonate	-	-	-	-
2-Butoxyethanol	A3	Group 3	-	-
Trisodium Nitrilotriacetate	-	Group 2B	Listed	-
Sodium hydroxide	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Water	-	-	-	-	-	-
Sodium metasilicate	-	-	-	-	-	-
Sodium Dodecylbenzene Sulfonate	-	-	-	-	-	-
2-Butoxyethanol	-	-	ACGIH A3	-	ACGIH A3	-
Trisodium Nitrilotriacetate	-	-	-	-	-	-
Sodium hydroxide	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity See information below

Chemical name	Algae/aquatic plants	Fish
Water	-	-
Sodium metasilicate	-	210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50
Sodium Dodecylbenzene Sulfonate	-	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static
2-Butoxyethanol	-	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50
Trisodium Nitrilotriacetate	560 - 1000: 96 h Chlorella vulgaris mg/L EC50	93 - 170: 96 h Pimephales promelas mg/L LC50 flow-through 560 - 1000: 96 h Oryzias latipes mg/L LC50 560 - 1000: 96 h Poecilia reticulata mg/L LC50 semi-static 560 - 1000: 96 h Poecilia reticulata mg/L LC50 560 - 1000: 96 h Oryzias latipes mg/L LC50 semi-static 72 - 133: 96 h Oncorhynchus mykiss mg/L LC50 static 252: 96 h Lepomis macrochirus mg/L LC50 470: 96 h Pimephales promelas mg/L LC50 static 114: 96 h Pimephales promelas mg/L LC50 175 - 225: 96 h Lepomis macrochirus mg/L LC50 static
Sodium hydroxide	-	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static

Persistence and degradability Not available.

Bioaccumulation Bioaccumulative potential

Chemical name	CAS-No	Partition coefficient (log Kow)
Water 7732-18-5	7732-18-5	-
Sodium metasilicate 6834-92-0	6834-92-0	-
Sodium Dodecylbenzene Sulfonate 25155-30-0	25155-30-0	-
2-Butoxyethanol 111-76-2	111-76-2	0.81 25 °C
Trisodium Nitrilotriacetate 5064-31-3	5064-31-3	-
Sodium hydroxide 1310-73-2	1310-73-2	-

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

Contaminated packaging Do not reuse containers.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT
- **ID-No** Not Regulated
- **Subsidiary Risk**

TDG
- **ID-No** Not Regulated
- **Hazard Class(es)**
- **Subsidiary Risk**
- **Packing group**

IATA
- **ID-No** Not Regulated
- **Subsidiary Risk**
- **Packing group**

IMDG/IMO
- **ID-No** Not Regulated
- **Hazard Class(es)**
- **Subsidiary Risk**
- **Packing group**
- **EmS No**

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Water	7732-18-5	-	-	-
Sodium metasilicate	6834-92-0	-	-	-
Sodium Dodecylbenzene Sulfonate	25155-30-0	X	-	X
2-Butoxyethanol	111-76-2	-	-	-
Trisodium Nitrilotriacetate	5064-31-3	-	-	-
Sodium hydroxide	1310-73-2	-	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Water	7732-18-5	-	-	X
Sodium metasilicate	6834-92-0	-	-	-
Sodium Dodecylbenzene Sulfonate	25155-30-0	X	X	X
2-Butoxyethanol	111-76-2	X	X	X
Trisodium Nitrilotriacetate	5064-31-3	X	-	-
Sodium hydroxide	1310-73-2	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Water	7732-18-5	-
Sodium metasilicate	6834-92-0	-
Sodium Dodecylbenzene Sulfonate	25155-30-0	-
2-Butoxyethanol	111-76-2	-
Trisodium Nitrilotriacetate	5064-31-3	-
Sodium hydroxide	1310-73-2	-

California Proposition 65 — This product does not contain any Proposition 65 chemicals

U.S. Federal Regulations

US EPA SARA 313 — See information below

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Water	7732-18-5	-	-

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Sodium metasilicate	6834-92-0	-	-
Sodium Dodecylbenzene Sulfonate	25155-30-0	1000 lb 454 kg	-
2-Butoxyethanol	111-76-2	-	1.0 %
Trisodium Nitrilotriacetate	5064-31-3	-	-
Sodium hydroxide	1310-73-2	1000 lb 454 kg	-

US EPA SARA 311/312 hazardous categorization
Acute Health Hazard
Chronic Health Hazard

International inventories
All components of this product are listed on the following inventories: U.S.A. (TSCA 8(b)), Canada (DSL/NDSL) or are exempt.

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Water	X	X	-
Sodium metasilicate	X	X	-
Sodium Dodecylbenzene Sulfonate	X	X	-
2-Butoxyethanol	X	X	-
Trisodium Nitrilotriacetate	X	X	-
Sodium hydroxide	X	X	-

16. OTHER INFORMATION

NFPA

Health	3
Flammability	0
Instability	0

HMIS

Health	3
Flammability	0
Physical hazards	0
Personal protection	B

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
HMIS (Hazardous Materials Identification System)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Orgnaization)
NFPA (National Fire Protection Association)
NTP (National Toxicology Program)
OEL (Occupational Exposure Level)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
TSCA (Toxic Substance Control Act)
USEPA (United States Environmental Protection Agency)

Disclaimer

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 the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet