Material Safety Data Sheet

Revision Date *20-Mar-2013*

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DA6070
Product name TIGHT SPOT
Recommended Use Lubricant

Supplier Drummond, A Lawson Brand
Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Flammable. Vapors extremely irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Eyes. Inhalation. Skin contact. Skin absorption.

Potential health effects

Eyes Exposure to vapors or mists may cause the following effects:. Irritation. Pain. Tearing. Reddening. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.

Skin Repeated or prolonged exposure may cause:. Defatting. Skin Irritation. Dermatitis. Rash. Chronic exposure causes drying effect on the skin .

Inhalation Headaches. Dizziness. Decreased blood pressure. Changes in heart rate. Cyanosis. Extreme overexposure may cause. Central nervous system damage. Kidney damage. Liver damage. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion Harmful or fatal if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane/Isobutane/N-Butane	68476-86-8	30-60
Acetone	67-64-1	10-30
N-Hexane	110-54-3	10-30
Dimethylbenzene	1330-20-7	3-7

4. FIRST AID MEASURES

Eye contact Flush eyes with plenty of water. Seek medical attention if irritation persists.

Skin contact Flush skin with water. Remove and wash contaminated clothing before re-use. Seek medical attention if irritation persists.

Ingestion Call a physician or Poison Control Center immediately. Do Not induce vomiting. Give victim a glass of milk. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediate medical attention is required.

5. FIRE FIGHTING MEASURES

Flash point °C -104
Flash point °F -156
Method Seta closed cup

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper 12.8%
Lower 1.0%

Suitable extinguishing media
Alcohol foam. Carbon dioxide (CO2). Dry chemical. Foam. Water fog.

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

Fire and Explosion Hazards
Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat .

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

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Methods for cleaning up
Soak up with noncombustible inert absorbent material. Place in suitable container for disposal as hazardous waste.

7. HANDLING AND STORAGE

Handling
Ensure adequate ventilation. Thoroughly wash hands and exposed skin after handling. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Avoid breathing vapors.

Storage
Containers exposed to extreme heat may burst. Keep away from heat and sources of ignition. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Propane/Isobutane/N-Butane	-	-	-	N/D
N-Hexane	500 ppm 1800 mg/m^3	-	50 ppm	-
Acetone	1000 ppm 2400 mg/m^3	-	500 ppm	750 ppm
Dimethylbenzene	100 ppm 435 mg/m^3	-	100 ppm	150 ppm

Ventilation and Environmental Controls
Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area. Use in a well ventilated area.

Hygiene measures
Wash hands before eating or using the washroom. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing.

Respiratory protection
Wear a NIOSH approved organic canister respirator. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. if there is any potential for an uncontrolled release:. where exposure levels are not known. or other circumstances where an air purifying respirator (P100) may not provide adequate protection .

Hand Protection
Chemical resistant gloves.

Eye protection
Use safety eyewear designed to protect against splash of liquids.

Skin and body protection
Rubber or plastic boots.

Other Protective Equipment
Wear appropriate clothing to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Tan
Odor	Solvent
Odor Threshold	Not Applicable
pH	Not Applicable
Specific Gravity	0.6315
Vapor pressure	80-90
Vapor density	>Air
Evaporation Rate	>1 (Butyl Acetate = 1)
Water solubility	Negligible
VOC Content	3.94 lbs/gal, 472 g/l
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	-41 - 140
Boiling point/range °F	-43 - 284
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	-104
Flash point °F	-156

10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.

Conditions to avoid
Avoid sources of ignition. Avoid open flames. Do not use near welding arcs.

Incompatability
Strong acids. Oxidizers. Amines. Alkalies.

Hazardous Decomposition Products
Carbon oxides. Nitrogen oxides (NOx). Chloride. Chlorine. Phosgene .

Polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Propane/Isobutane/N-Butane 68476-86-8	-	-	-
N-Hexane 110-54-3	25 g/kg	3000 mg/kg	48000 ppm
Acetone 67-64-1	5800 mg/kg	-	-
Dimethylbenzene 1330-20-7	4300 mg/kg	1700 mg/kg	47635 mg/L 5000 ppm

Synergistic Products None known

Specific Hazards Hexane has been reported to affect the central nervous system and may damage peripheral nerve tissue. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage.

Potential health effects

Sensitization None known

Chronic toxicity See Section 2 .

Mutagenic effects None known

Teratogenic effects None known

Reproductive toxicity None known

Target Organ Effects May cause damage to kidneys. May cause damage to lungs. Central nervous system.

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
N-Hexane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	A4	Not Listed	Not Listed	Not Listed	Not Listed
Dimethylbenzene	A4	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Acetone

Microtox Data
Photobacterium phosphoreum EC50=14500 mg/L (15 min)
Water Flea Data
Daphnia magna EC5010294 - 17704 mg/L (48 h)
Daphnia magna EC5012600 - 12700 mg/L (48 h)

N-Hexane

Water Flea Data
Daphnia magna EC50>1000 mg/L (24 h)

Dimethylbenzene

Microtox Data
Photobacterium phosphoreum EC50=0.0084 mg/L (24 h)
Water Flea Data
water flea hEC50 48 (3.82 mg/L)
Gammarus lacustris hLC50 48 (0.6 mg/L)
water flea hEC50 48 (3.82 mg/L)

13. DISPOSAL CONSIDERATIONS

14. TRANSPORTATION INFORMATION

DOT
UN1950 Aerosols, flammable, 2.1.
Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG
UN1950 AEROSOLS, flammable, 2.1

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
N-Hexane	Listed
Dimethylbenzene	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
N-Hexane	Not Listed	Listed	Not Listed
Acetone	Not Listed	Listed	Not Listed
Dimethylbenzene	Not Listed	Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane/Isobutane/N-Butane	X	X	-	X
N-Hexane	X	X	-	X
Acetone	X	X	-	X
Dimethylbenzene	X	X	-	X

CPR
This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

HMIS

Health - 2
Flammability - 4
Physical Hazard - 0

Prepared By V. Shargorodsky, Regulatory Affairs Engineer

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.