

Material Safety Data Sheet

Revision Date 11-Apr-2011

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code DA6141
Product name Headway
Recommended Use Lubricant

Supplier Drummond, A Lawson Brand
Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Extremely flammable. Contents under pressure. Vapors may cause flash fire or explosion. Harmful or fatal if swallowed.
May cause eye/skin irritation. Harmful by inhalation.

Color Clear

Odor Solvent

Form Aerosol

Aggravated Medical Conditions Pre-existing skin conditions may be aggravated by exposure to this product.

Principal Routes of Exposure Skin. Eyes. Inhalation.

Potential health effects

Eyes Moderately irritating to the eyes.

Skin May cause the following effects: . Skin Irritation. Defatting. Dermatitis. Chronic exposure causes drying effect on the skin .

Inhalation Harmful by inhalation. May cause the following effects. Central nervous system depression. Lung damage. Liver damage. Kidney damage. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion No hazard under normal industrial and institutional use. Harmful or fatal if swallowed. Aspiration hazard. May cause severe lung damage if aspirated into the lungs from ingestion or vomiting. Central nervous system effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Dimethyl Polysiloxane	63148-62-9	3-7
Hexane	64742-49-0	40-50
Propane/Isobutane/N-Butane	68476-86-8	40-50

4. FIRST AID MEASURES

Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention.
Skin contact	Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use. Seek medical attention if irritation persists.
Ingestion	Do not induce vomiting. Call a physician immediately.
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	Pensky-Martens C.C.

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

Flammability Limits (% in Air)	
Upper	9.5%
Lower	1.0%

Suitable extinguishing media

Carbon dioxide. 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 volatile and heavier than air. They will tend to collect in low lying areas. Material is highly volatile and readily gives off vapors. Flash back possible over considerable distance. Extremely flammable. 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

Yes. Take precautionary measures against static discharges

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Soak up with inert absorbent material. Place in non-leaking, tightly sealed container for proper disposal.

7. HANDLING AND STORAGE

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Handling

Ensure adequate ventilation. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Avoid breathing vapors from heated material . Use only according to label directions.

Storage

Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Do not freeze. Keep out of the reach of children. Store in temperatures below 120 degrees F.

NFPA Storage Code

Store as Level 3 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Hexane	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	N/D
Dimethyl Polysiloxane	-	-	-	-

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. Local: as necessary. 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.

Personal protective equipment

Respiratory protection

Avoid breathing concentrated vapors or particles from all products not specifically designed to be inhaled. Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear a MSHA/NIOSH approved 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 impact.

Skin and body protection

Rubber or plastic boots.

Other Protective Equipment

Wear appropriate clothing to minimize skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	Color	Clear
Odor	Solvent	Odor Threshold	No information available
pH	Not Applicable	Specific Gravity	0.6296
Vapor pressure	No data available	Vapor density	>1 (Air = 1)
Evaporation Rate	>1 (Butyl Acetate = 1)	VOC Content	94.71%, 4.97 lb/gal, 595 g/l
Water solubility	Negligible	Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	-24- 70	Boiling point/range °F	-12 - 158
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 recommended storage conditions.

Conditions to avoid

Avoid sources of ignition. Do not use near welding arcs. Avoid open flames. Avoid heat. Avoid direct sunlight.

Incompatibility

Strong acids. Alkalis. Oxidizers. Amines.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Chloride. Chlorine. Phosgene . smoke. Fumes.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Hexane 64742-49-0	5000 mg/kg	3160 mg/kg	73680 ppm
Propane/Isobutane/N-Butane 68476-86-8	-	-	-
Dimethyl Polysiloxane 63148-62-9	17 g/kg	2 g/kg	-

Synergistic Products

None known

Potential health effects

Sensitization

None known

Chronic toxicity

None known

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

Long term exposure to vapor may cause kidney damage.

Long term exposure to vapor may cause liver damage.

Long term exposure to vapor may cause lung damage.

Carcinogenic effects

See table below

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

12. ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS**Disposal Information**

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION**DOT**

Consumer commodity, ORM-D

TDG

Consumer commodity, ORM-D

15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
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15. REGULATORY INFORMATION

Hexane	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
Dimethyl Polysiloxane	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Hexane	X	X	-	X
Propane/Isobutane/N-Butane	X	X	-	X
Dimethyl Polysiloxane	-	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

NFPA		HMIS	
Health	-	Health	2
Flammability	-	Flammability	4
Reactivity	-	Physical Hazard	0

Prepared By

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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.