Safety Data Sheet

Issue date 21-May-2018 **Revision date** 21-May-2018 **Revision Number** 1

1. IDENTIFICATION

Product identification

Product identifier	Lawson Food Grade White Grease
Other means of identification	90575
Recommended use	Lubricant
Restrictions on use	For industrial use only

Supplier

Corporate Headquarters:
Lawson Products, Inc.
8770 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 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

Symbol

Signal word DANGER

Hazard statements

H315 - Causes skin irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H304 - May be fatal if swallowed and enters airways
H222 - Extremely flammable aerosol

H280 - Contains gas under pressure; may explode if heated

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

P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P264 - Wash face, hands and any exposed skin thoroughly after handling
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves

Response

General

P321 - Specific treatment (see supplemental first aid instructions on this label)

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

Skin

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse

Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell

Ingestion

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

Fire

P370 + P378 - In case of fire: Use appropriate method to extinguish

Spill

P391 - Collect spillage

Storage

P405 - Store locked up
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P412 - Do not expose to temperatures exceeding 50 °C/122 °F

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazard(s) Not Otherwise Classified (HNOC)

Harmful to aquatic life with long lasting effects.

Physical Hazards Not Otherwise Classified (PHNOC)

None known.

Unknown acute toxicity

0%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition

Mixture.

Chemical name	CAS-No	Weight %
Propane/Isobutane/N-Butane	68476-86-8	10-20
Naphtha (petroleum), heavy alkylate	64741-65-7	1-10
Heptanes	64742-49-0	1-10
Zinc oxide	1314-13-2	0.1-1

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

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation Move to fresh air. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. If symptoms persist, call a physician.

Skin contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

Most important symptoms (acute) Causes skin irritation. May be fatal if swallowed and enters airways.

Most important symptoms (over-exposure) Causes skin irritation. May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Decomposition by contact with water may generate vapours which can be ignited by heat or open flame.

Specific hazards Sensitivity to static discharge.

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 Avoid contact with eyes. Avoid breathing vapor or mist. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces. No special environmental precautions required. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and materials for containment and cleaning up Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin, nail, or any other sharp object into opening on top of can.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. No known incompatibilities.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Propane/Isobutane/N-Butane	-	-	-
Naphtha (petroleum), heavy alkylate	-	-	-
Heptanes	-	-	350 mg/m³ TWA 350 mg/m³ TWA
Zinc oxide	5 mg/m³ TWA 15 mg/m³ TWA 5 mg/m³ TWA	10 mg/m³ STEL 2 mg/m³ TWA	10 mg/m³ STEL 5 mg/m³ TWA

Appropriate engineering controls

Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Eye protection

Safety glasses with side-shields.

Skin and body protection

Chemical resistant apron. Protective gloves.

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

Handle in accordance with good industrial hygiene and safety practice.

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
Propane/Isobutane/N-Butane	-	-	-	-	-	-	-	-	-	-
Naphtha (petroleum), heavy alkylate	-	-	-	-	-	-	-	-	-	-
Heptanes	-	-	-	-	-	-	-	-	-	-
Zinc oxide	10 mg/m³ STEL 2 mg/m³ TWA	10 mg/m³ STEL 2 mg/m³ TWA	2 mg/m³ TWA 10 mg/m³ STEL	10 mg/m³ STEL 10 mg/m³ TWA 5 mg/m³ TWA	10 mg/m³ STEL 2 mg/m³ TWA	10 mg/m³ STEL 2 mg/m³ TWA	10 mg/m³ STEL 2 mg/m³ TWA	10 mg/m³ STEL 2 mg/m³ TWA	10 mg/m³ STEV 10 mg/m³ TWAEV 5 mg/m³ TWAEV	10 mg/m³ STEL 2 mg/m³ TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Color	White, Opaque
Odor	Solvent
Odor threshold	Not available
pH	11
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	Not available
Boiling point/range °F	Not available
Flash point °C	-97
Flash point °F	-142
Flash point method used	based on propellant
Evaporation rate	Not available
Flammability (Solid, Gas)	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.887
Solubility	Practically insoluble in water
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	Not available
Autoignition temperature °F	Not available
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity	Not available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Avoid extreme temperatures. Avoid direct sunlight.

Incompatible materials None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

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

Symptoms Avoid breathing vapors or mists. May be harmful if inhaled. Avoid contact with eyes. Avoid contact with skin. Irritating to eyes and skin. Prolonged skin contact may defat the skin and produce dermatitis. Potential for aspiration if swallowed. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal. May cause dizziness and drowsiness.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May be fatal if swallowed and enters airways.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Propane/Isobutane/N-Butane	-	-	-
Naphtha (petroleum), heavy alkylate	> 5.04 mg/L (Rat) 4 h	> 2000 mg/kg (Rabbit)	> 7000 mg/kg (Rat)
Heptanes	= 73680 ppm (Rat) 4 h	> 3160 mg/kg (Rabbit) > 2000 mg/kg (Rabbit)	> 5000 mg/kg (Rat) > 4300 mg/kg (Rat)
Zinc oxide	-	-	> 5000 mg/kg (Rat)

ATEmix (dermal) 31945 mg/kg

ATEmix (oral) 19871 mg/kg

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) 252 mg/l

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Propane/Isobutane/N-Butane	-	-	-	-
Naphtha (petroleum), heavy alkylate	-	-	-	-
Heptanes	-	Group 3	-	-
Zinc oxide	-	-	-	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Propane/Isobutane/N-Butane	-	-	-	-	-	-
Naphtha (petroleum), heavy alkylate	-	-	-	-	-	-
Heptanes	-	-	-	-	-	-
Zinc oxide	-	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
Propane/Isobutane/N-Butane	-	-
Naphtha (petroleum), heavy alkylate	30000: 72 h Pseudokirchneriella subcapitata mg/L EC50	-
Heptanes	-	258: 96 h Salmo gairdneri mg/L LC50 static
Zinc oxide	-	-

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Propane/Isobutane/N-Butane 68476-86-8	68476-86-8	<=2.8
Naphtha (petroleum), heavy alkylate 64741-65-7	64741-65-7	-
Heptanes 64742-49-0	64742-49-0	-
Zinc oxide 1314-13-2	1314-13-2	-

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Contaminated packaging Do not reuse containers.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Special Provisions	LTD QTY

TDG

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Special Provisions	LTD QTY

IATA

ID-No	UN1950
Proper shipping name	Aerosols, flammable
Hazard Class(es)	2.1
Special Provisions	LTD QTY

IMDG/IMO

ID-No	UN1950
Proper shipping name	Aerosols
Hazard Class(es)	2.1
Special Provisions	LTD QTY

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
Naphtha (petroleum), heavy alkylate	64741-65-7	-	-	-
Heptanes	64742-49-0	-	-	-
Zinc oxide	1314-13-2	-	-	-

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
Propane/Isobutane/N-Butane	68476-86-8	-	-	-
Naphtha (petroleum), heavy alkylate	64741-65-7	-	-	-
Heptanes	64742-49-0	X	X	X
Zinc oxide	1314-13-2	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
Propane/Isobutane/N-Butane	68476-86-8	-
Naphtha (petroleum), heavy alkylate	64741-65-7	-
Heptanes	64742-49-0	-
Zinc oxide	1314-13-2	-

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Propane/Isobutane/N-Butane	68476-86-8	-	-
Naphtha (petroleum), heavy alkylate	64741-65-7	-	-
Heptanes	64742-49-0	-	-
Zinc oxide	1314-13-2	-	1.0 %

US EPA SARA 311/312 hazardous categorization
Sudden Release of Pressure Hazard
Acute Health Hazard
Fire 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
Propane/Isobutane/N-Butane	X	X	-
Naphtha (petroleum), heavy alkylate	X	X	-
Heptanes	X	X	-
Zinc oxide	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health 2
Flammability 4
Instability 0

HMIS

Health 2
Flammability 4
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