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Version 1.03

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier Product name	5TH WHEEL LUBRICANT
Recommended use of the chemical and restrictions on use	
Product code	80-1234
<u>Product Type</u> Synonyms	Extremely Flammable Aerosol None
Supplier's details	
Recommended Use	Lubricant for forklifts used in food, beverage, and pharmaceutical processing areas.
Uses advised against	No information available
Manufactured For: Kimball Midwest 4800 Roberts Rd. Columbus, OH 43228 800-233-1294	
Emergency telephone number	
Chemical Emergency Phone Number	CHEMTREC : 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 2
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable Aerosols	Category 1
Gases under pressure	Compressed Gas

<u>GHS Label elements, including</u> precautionary statements

Emergency Overview

DANGER		
Hazard Statements		
Causes skin irritation.		
Suspected of causing cancer.		
Suspected of damaging fertility or the		
May cause respiratory irritation. May c	ause drowsiness or dizziness.	
May cause damage to organs (Eyes, S	Skin, Respiratory System, Central Nervous System, and Periphe	ral Nervous System)
through prolonged or repeated exposu	re.	
May be fatal if swallowed and enters a	irways.	
Extremely Flammable Aerosol		
Contains gas under pressure; may exp	olode if heated	
Appearance Opaque	Physical state Aerosol	Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing,eye protection,face protection.

Wash face, hands and any exposed skin thoroughly after handling.

Do not breathe dust, fume, gas, mist, vapors, spray.

Use only outdoors or in a well-ventilated area.

Keep away from heat, sparks, open flames, hot surfaces - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Precautionary Statements - Response

If exposed or concerned: Get medical advice, attention. Specific treatment (see first aid on this label). IF ON SKIN: Wash with plenty of soap and water.

80-1234 5TH WHEEL LUBRICANT

If skin irritation occurs: Get medical advice, attention. Take off contaminated clothing and wash it before reuse. IF INHALED : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor, physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER, doctor, physician. Do NOT induce vomiting.

Precautionary Statements - Storage

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of contents, container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

None

Other information

0% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS # 110-54-3, HEXANE, MAY BE SUBSTITUTED FOR CAS # 64742-49-0, COMMERCIAL HEXANES.

Chemical Name	CAS-No	Weight %*
PETROLEUM BITUMEN	8052-42-4	50-60
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	10-20
PETROLEUM DISTILLATES	64742-47-8	10-20
HEXANE	110-54-3	10-20
NAPHTHENIC OIL, SEVERLY HYDROT	64742-52-5	1-10

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

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice	Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. If eye irritation persists, consult a doctor.
Skin contact	Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation or rash occurs, call a physician.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
Ingestion	Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.
Protection of First-aiders	Remove all sources of ignition.
	and and delayed

Most important symptoms/effects, acute and delayed

Main Symptoms Causes skin irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog.Dry chemical. Foam.Carbon dioxide (CO2). Cool containers/tanks with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire. Keep away from sources of ignition - No smoking.

Specific hazards arising from the chemical

Extremely Flammable / Flammable. Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

Hazardous Combustion Acrid smoke/fumes. Carbon oxides , Hydrocarbons, Fumes. Sulfur oxides. Products

Explosion Data Sensitivity to Mechanical Impact none. Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Use with adequate ventiliation to keep the exposure levels below the OELS. Follow safe handling advice and personal protective equipment recommendations.	
Environmental precautions		
Environmental precautions	Vapors can accumulate in low areas. Report spills as required by local and federal regulations. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.	
Methods and materials for contain	nent and cleaning up	
Methods for Containment	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.	
Methods for cleaning up	Soak up with inert absorbent material. Contain liquid and collect with an inter, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.	

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges.	
Conditions for safe storage, includ	ing any incompatibilities	
Technical measures/Storage conditions	Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep of the reach of children. Store locked up.	
Incompatible products	Strong acids, alkalis, oxidizing agents.	
Aerosol Level	3	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

xposure Guidelines Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
PETROLEUM BITUMEN 8052-42-4	TWA: 0.5 mg/m ³ benzene-soluble aerosol fume, inhalable particulate matter	-	Ceiling: 5 mg/m ³ fume 15 min
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6:TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³ 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	74-98-6:IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³ 106-97-8:TWA: 800 ppm TWA: 1900 mg/m ³ 75-28-5:TWA: 800 ppm TWA: 1900 mg/m ³
HEXANE 110-54-3	TWA: 50 ppm Skin - potential significant contribution to overall exposure by the cutaneous route	TWA: 500 ppm TWA: 1800 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m ³	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m ³

ACGIH: (American Conference of Governmental Industrial Hygienists) OSHA: (Occupational Safety & Health Administration) NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).
Exposure controls	
Engineering Measures	Ventilation systems. Use adequate ventilation to keep the exposure levels below the occupational exposure limits. Showers Eyewash stations Ventilation systems. Showers, eyewash stations, and ventilation systems.
Individual protection measures,	such as personal protective equipment
Eye/Face Protection	Tightly fitting safety goggles. 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, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state Appearance Color	Aerosol Opaque White	Odor Odor Threshold	Solvent
<u>Property</u> pH Melting/freezing point Boiling point/boiling range	<u>Values</u> No information available No information available	Remarks • Methods	
Flash Point Evaporation rate Flammability (solid, gas) Flammability Limits in Air upper flammability limit lower flammability limit	-97 °C / -142 °F No information available No information available	Based on propellant	
Vapor pressure Vapor density Specific Gravity Water solubility Partition coefficient: n-octanol/wate Autoignition temperature Decomposition temperature Viscosity Explosive properties	0.804 No information available er No information available No information available	Not applicable	
Other information VOC Content(%)	39.48		

10. STABILITY AND REACTIVITY

Reactivity No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Strong acids, alkalis, oxidizing agents.

Hazardous Decomposition Products

Carbon oxides , Hydrocarbons, Fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause respiratory irritation, May cause drowsiness or dizziness.
Eye contact	Eye irritation may occur if excessive exposure to product occurs.

Skin contact

Causes skin irritation.

Ingestion

May be fatal if swallowed and enters airways.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
PETROLEUM BITUMEN	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 94.4 mg/m ³ (Rat) 4.5 h
8052-42-4			
PETROLEUM DISTILLATES	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat)4 h
64742-47-8			
HEXANE	= 25 g/kg (Rat)	= 3000 mg/kg (Rabbit)	= 48000 ppm (Rat) 4 h
110-54-3			
NAPHTHENIC OIL, SEVERLY	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
HYDROT			
64742-52-5			

Information on toxicological effects

Symptoms

Causes skin irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs (listed below) through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Irritating to sk	kin.		
Sensitization	Not a known	sensitizer.		
Germ cell mutagenicity	Not a germ c	ell mutagen.		
Carcinogenicity	The table bel	ow indicates whether each	agency has evaluated a li	isted ingredient as a
	carcinogen.			-
Chemical Name	ACGIH	IARC	NTP	OSHA

Chemical Name	ACGIH	IARC	NTP	OSHA
PETROLEUM BITUMEN	-	Group 2B	-	Х
8052-42-4				

ACGIH: (American Conference of Governmental Industrial Hygienists)

- A2 Suspected Human Carcinogen A3 - Animal Carcinogen IARC: (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans Group 2B - Possibly Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans NTP: (National Toxicity Program) Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen OSHA: (Occupational Safety & Health Administration) X - Present **Reproductive toxicity** This product contains a chemical(s) which is a known or suspected reproductive hazard . Specific target organ systemic May cause respiratory irritation. May cause drowsiness or dizziness. toxicity (single exposure) Specific target organ systemic May cause damage to Target Organs listed below through prolonged or repeated toxicity (repeated exposure) exposure. **Chronic toxicity** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. **Target Organ Effects** Eyes, Skin, Respiratory System, Central Nervous System, and Peripheral Nervous System. **Neurological effects** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May be fatal if swallowed and enters airways. Aspiration hazard Numerical measures of toxicity - Product Information 0% of the mixture consists of ingredient(s) of unknown toxicity. **Unknown Acute Toxicity** The following values are calculated based on chapter 3.1 of the GHS document . ATEmix (oral) 24161 mg/kg 14904 mg/kg
- ATEmix (dermal)
 14904 mg/k

 ATEmix (inhalation-gas)
 87069 mg/l

ATEmix (inhalation-dust/mist) 68.2 mg/l ATEmix (inhalation-vapor) 637 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
PROPANE/ISOBUTANE/N- BUTANE 68476-86-8	-	-	-	-
PETROLEUM DISTILLATES 64742-47-8	-	45 mg/L LC50 Pimephales promelas 96h flow-through 2.2 mg/L LC50 Lepomis macrochirus 96h static 2.4 mg/L LC50 Oncorhynchus mykiss 96h static	-	-
HEXANE 110-54-3	-	2.1 - 2.98 mg/L LC50 Pimephales promelas 96h flow-through	-	-
NAPHTHENIC OIL, SEVERLY HYDROT 64742-52-5	-	5000 mg/L LC50 Oncorhynchus mykiss 96h	-	1000 mg/L EC50 Daphnia magna 48h

Persistence and degradability

Bioaccumulation

Chemical Name	log Pow
PETROLEUM BITUMEN	6
8052-42-4	
PROPANE/ISOBUTANE/N-BUTANE	2.8
68476-86-8	

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal MethodsDispose of in accordance with federal, state, and local regulations. This material, as
supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in
accordance with federal, state, and local regulations. This material, as supplied, is a
hazardous waste according to Federal regulations (40 CFR 261). Dispose of in accordance
with federal, state, and local regulations. Dispose of in accordance with local regulations.Contaminated packagingDo not re-use empty containers. Empty containers should be taken to an approved waste
handling site for recycling or disposal. Pressurized container: Do not pierce or burn, even
after use.

14. TRANSPORT INFORMATION

DOT Ground

CONSUMER COMMODITY ORM-D or LIMITED QUANTITY ΙΑΤΑ

UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD.QTY.

IMDG

UN1950, AEROSOLS, 2.1, LTD.QTY

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
PETROLEUM BITUMEN	Х	X	Х	Х	Х	Х	Х	X
PROPANE/ISOBUTA NE/N-BUTANE	Х	X	Х	x	Х	Х	Х	Х
PETROLEUM DISTILLATES	Х	X	Х	x	Х	Х	Х	Х
HEXANE	Х	Х	Х	Х	Х	Х	Х	Х
NAPHTHENIC OIL, SEVERLY HYDROT	Х	X	Х	Not listed	Х	Х	Х	Х

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

<u>SARA 313</u>

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
HEXANE - 110-54-3	110-54-3	10.0866	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Star Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

F01953 - 80-1234 5TH WHEEL LUBRICANT

Revision Date 15-Oct-2019

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
HEXANE	5000 lb		RQ 5000 lb final RQ
110-54-3			RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical Name	California Prop. 65
PETROLEUM BITUMEN - 8052-42-4	Cancer/ 50-60%
HEXANE - 110-54-3	Developmental, Reproductive (Male), 10-20%

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
PETROLEUM BITUMEN 8052-42-4	Х	X	Х
HEXANE	Х	Х	Х
110-54-3			

EPA Pesticide Registration Number Not applicable

<u>Canada</u>

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 4	Instability 0	Physical and chemical hazards
HMIS Chronic Hazard Star Leger		, , ,	Physical Hazard 1 rolonged exposure may cause o or prolonged exposure may cau	Personal protection B central nervous system damage use central nervous system
Prepared By	Regulatory	Affairs		
Issuing date	11-Nov-20	15		
Revision Date	15-Oct-201	19		
Revision Note				
1 (M)SDS sections updat	ed			
Disclaimer				
The information provide	ed on this SDS is correc	t to the best of our kn	owledge, information and	belief at the date of its
publication. The inform	nation given is designed	l only as a guide for sa	afe handling, use, process	ing, storage,

transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet