



# K&N Ultra Premium Full Synthetic SAE 0W-20

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Canada  
Hazardous Products Regulations (SOR/2015-17) / Règlement sur les produits dangereux (DORS/2015-17)

Issue date: 11/09/2020

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Supersedes: 11/09/2020

Version: 1.1

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product Number and Name : 104105-K&N Ultra Premium Full Synthetic SAE 0W-20; 1 Quart

#### 1.2. Recommended use and restrictions on use

Recommended use : Lubricant  
Restrictions on use : No data available

#### 1.3. Supplier

Distributor  
K&N Engineering, Inc  
1455 Citrus St.  
Riverside, CA 82507  
T 1-951-826-4000 or 1-800-858-3333  
knfilters.com

#### 1.4. Emergency telephone number

Emergency number : 1-800-424-9300 Toll-Free USA CAN 24 hours

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS labelling

No labelling applicable

#### 2.3. Other hazards which do not result in classification

No data available

#### 2.4. Unknown acute toxicity (GHS)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	% (w/w)	GHS classification
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (DMSO < 3%)	(CAS-No.) 72623-87-1	80 - 90	Asp. Tox. 1, H304
zinc O,O',O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)	(CAS-No.) 2215-35-2	0.5 - <1.25	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

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Règlement sur les produits dangereux (DORS/2015-17)

- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### **4.2. Most important symptoms and effects (acute and delayed)**

- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

### **4.3. Immediate medical attention and special treatment, if necessary**

Treat symptomatically.

## **SECTION 5: Fire-fighting measures**

### **5.1. Suitable (and unsuitable) extinguishing media**

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

### **5.2. Specific hazards arising from the chemical**

- Fire hazard : Burning produces irritating, toxic and noxious fumes.

### **5.3. Special protective equipment and precautions for fire-fighters**

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

- General measures : Avoid all eye and skin contact and do not breathe vapour and mist.

#### **6.1.1. For non-emergency personnel**

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Evacuate unnecessary personnel.

#### **6.1.2. For emergency responders**

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Ventilate area.

### **6.2. Environmental precautions**

Prevent entry to sewers and public waters.

### **6.3. Methods and material for containment and cleaning up**

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### **6.4. Reference to other sections**

See Section 8. Exposure controls and personal protection.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Do not eat, drink or smoke when using this product.

### **7.2. Conditions for safe storage, including any incompatibilities**

- Storage conditions : Keep only in the original container in a cool well ventilated place.
- Incompatible products : Strong bases. Strong acids. Strong oxidizers.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

# K&N Ultra Premium Full Synthetic SAE 0W-20

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Règlement sur les produits dangereux (DORS/2015-17)

<b>K&amp;N Ultra Premium Full Synthetic SAE 0W-20</b>	
No data available	
<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (DMSO &lt; 3%) (72623-87-1)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> oil mist
<b>zinc O,O',O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)</b>	
No data available	

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid creating mist or spray. Avoid splashing. Ensure good ventilation of the work station.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Use rubber gloves.

#### Eye protection:

In case of splashing or aerosol production: protective goggles.

#### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: amber
Odour	: petroleum
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 229 – 231 °C Test method D92
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.07
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 44.2 – 58.6 mm <sup>2</sup> /s @ 40 °C
Viscosity, dynamic	: No data available
Explosive limits	: No data available

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Règlement sur les produits dangereux (DORS/2015-17)

Explosive properties : No data available

Oxidising properties : No data available

### **9.2. Other information**

No data available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

No dangerous reactions known.

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

Hazardous polymerization will not occur.

### **10.4. Conditions to avoid**

Direct sunlight. Extremely high or low temperatures.

### **10.5. Incompatible materials**

Strong acids. Strong bases. Strong oxidizers.

### **10.6. Hazardous decomposition products**

None under normal use.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

#### **Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (DMSO < 3%) (72623-87-1)**

LD50 Oral rat > 5000 mg/kg bodyweight

LD50 Dermal rabbit > 2000 mg/kg bodyweight

#### **zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)**

LD50 Oral rat 2000 – 5000 mg/kg

LD50 Dermal rabbit > 2000 mg/kg

ATE (oral) 2000 mg/kg bodyweight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : 44.2 – 58.6 mm<sup>2</sup>/s @ 40 °C

Likely routes of exposure : Skin and eye contact. Inhalation.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

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Règlement sur les produits dangereux (DORS/2015-17)

<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (DMSO &lt; 3%) (72623-87-1)</b>	
LC50 fish 1	> 100 mg/l
EC50 crustacea	> 10000 mg/l
ErC50 algae	≥ 100 mg/l
NOEC (acute)	> 100 mg/kg

### **12.2. Persistence and degradability**

<b>K&amp;N Ultra Premium Full Synthetic SAE 0W-20</b>	
Persistence and degradability	Not established.

<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (DMSO &lt; 3%) (72623-87-1)</b>	
Persistence and degradability	Not readily biodegradable.
Biodegradation	2 – 4 %

### **12.3. Bioaccumulative potential**

<b>K&amp;N Ultra Premium Full Synthetic SAE 0W-20</b>	
Bioaccumulative potential	Not established.

### **12.4. Mobility in soil**

<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (DMSO &lt; 3%) (72623-87-1)</b>	
Mobility in soil	22 %

### **12.5. Other adverse effects**

Other information : Avoid release to the environment.

## **SECTION 13: Disposal considerations**

### **13.1. Disposal methods**

Sewage disposal recommendations : Do not dispose of waste into sewer.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

## **SECTION 14: Transport information**

### **Department of Transportation (DOT)**

In accordance with DOT

Not applicable

### **Transportation of Dangerous Goods**

Not applicable

### **Transport by sea**

Not applicable

### **Air transport**

Not applicable

## **SECTION 15: Regulatory information**

### **15.1. US Federal regulations**

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All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (DMSO < 3%)	CAS-No. 72623-87-1	80 - 90%
zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate)	CAS-No. 2215-35-2	0.5 - <1.25%

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

**Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (DMSO < 3%) (72623-87-1)**

Listed on the Canadian DSL (Domestic Substances List)

**zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)**

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No data available

#### National regulations

**Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (DMSO < 3%) (72623-87-1)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

**zinc O,O,O',O'-tetrakis(1,3-dimethylbutyl) bis(phosphorodithioate) (2215-35-2)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

## SECTION 16: Other information

Revision date : 07/12/2022

Data sources : European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information : None.

Full text of H-statements:

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population

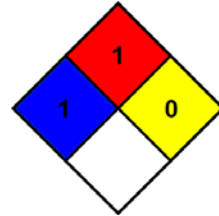
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	STEL: Short Term Exposure Limits
	TSCA: Toxic Substances Control Act
	TWA: Time Weighted Average
	WEL: Workplace Exposure Limit

- NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Indication of changes:

Section	Changed item	Change	Comments
3	Composition/information on ingredients	Modified	
9		Modified	

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*