

1. Chemical product and company identification

Product Name	: Synthetic Gear Oils
Product Use	: Lubricants for industrial gears
Company Identification	: KP Impex Inc. Hayward CA 94545, USA Tel. : 866-252-6704 Fax: 925 846 3333 Mob.: 510-600-5680

2. Composition/information on ingredients

Ingredient name	CAS #	% by weight
Highly refined oil	-	80 - 90%
Additives	Confidential	10 - 20%

3. Hazards identification

Physical state Liquid.	Colour Amber	Routes of entry dermal contact. Eye contact. Inhalation. Ingestion.
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Emergency overview IF PROLONGED USE

May cause irritation. May cause skin irritation. May cause respiratory tract irritation. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Prolonged or repeated contact can defeat the skin and lead to irritation and/or dermatitis.

Potential health effects Eyes

May cause eye irritation.

Potential health effects Skin

May cause skin irritation. Prolonged use or repeated contact can defeat the skin and lead to irritation and/or dermatitis.

Inhalation

May cause respiratory tract irritation.

Ingestion

Ingestion may cause gastrointestinal irritation and diarrhea.

4. First aid measure

Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin contact

immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.



5. Fire-fighting measures

Flammability of the product

May be combustible at high temperature.

Flash point

210 °C (Open cup)

Products of combustion

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂ etc.), sulphur oxides (SO₂, SO₃ etc.), phosphates.

Unusual fire/explosion hazards

This material is not explosive as defined by established regulatory criteria.

Fire-fighting media and instructions

In case of fire, use water fog, foam, dry chemicals, or carbon dioxide. Do not use water jet.

Protective clothing (fire)

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Medical conditions aggravated by over- exposure

none identified.

6. Accidental release measures

Personal precautions

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (See Section: "Exposure controls/personal protection").

Environmental precautions

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

Personal protection

Splash goggles. Full suit. Boots. Gloves. Suggested protective Clothing might not be sufficient; consult a specialist BEFORE handling this product.

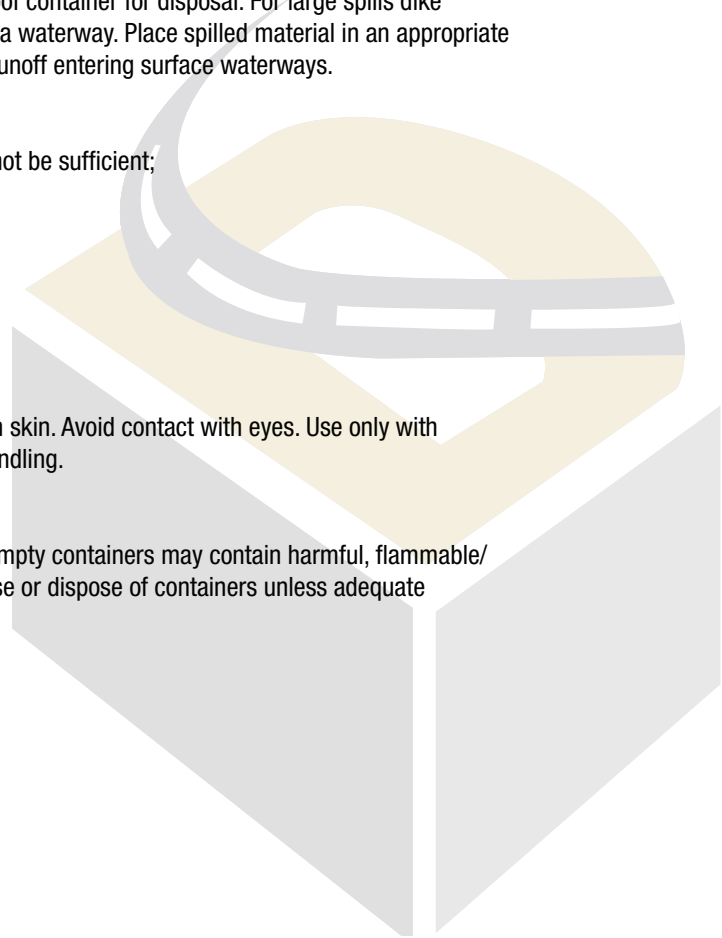
7. Handling and storage

Handling

Avoid contact with skin and clothing. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Use only with adequate ventilation. Avoid breathing vapour or mist. Wash thoroughly after handling.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area. Empty containers may contain harmful, flammable/combustible or explosive residue or vapours. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.



8. Exposure controls/personal protection

Control Measures

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the work-station location.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Personal protection

Eyes

Avoid contact with eyes. Chemical splash goggles.

Skin and body

Avoid contact with skin and clothing. Wear suitable protective clothing.

Respiratory

Use only with adequate ventilation Avoid breathing vapor or mist.

9. Physical and chemical properties

METHOD	TEST	RESULT	UNITS
SAE GRADE		80W140	
ASTM D-1298	Specific Gravity	0.845	gm/ml
ASTM D-445	Kinematic Viscosity @ 104°F / 40°C	160-180	mm ² /s
ASTM D-445	Kinematic Viscosity @ 212°F / 100°C	24-30	mm ² /s
ASTM D-2270	Viscosity Index	min 170	-
ASTM D-92	Corrected Flash Point	min 210	°C
ASTM D-97	Pour Point	>-27	°C

10. Stability and reactivity

Stability and reactivity

The product is stable.

Incompatibility with various substances

Reactive or incompatible with the following materials: oxidizing materials and reducing materials.

Hazardous decomposition products

Products of combustion: carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃ etc.), nitrogen oxides (NO, NO₂ etc.).

Hazardous polymerization

will not occur.

11. Toxicological information

Carcinogenic effects

No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).

Mutagenic effects

No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.

Reproductive effects

No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a reproductive toxin.

12. Ecological information

Ecotoxicity

No testing has been performed by the manufacturer.

13. Disposal consideration

Waste information

Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

14. Transport information

IATA: Not dangerous as per IATA regulation.
Not classified as dangerous goods.

15. Regulatory information

U.S. REGULATIONS	
OSHA	None
TSCA	All ingredients appear on inventory.
CERCLA	Not listed.
CLEAN WATER ACT/OIL POLLUTION ACT	
This product is considered oil under the Clean Water and Oil Pollution Act, INTERNATIONAL REGULATIONS... None	



Synthetic Gear Oil
SAE 80W140

16. OTHER INFORMATION

NFPA RATINGS: Health: 0
HMIS RATINGS: Health: 1

Flammability: 1
Flammability: 1

Reactivity: 0
Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE: - Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:
Label Category: ENGINE OIL

