

TECHNICAL DATA SHEET

Full Synthetic SAE 85W-140 Heavy Duty Gear Lubricant

CAS NUMBER	ALLIANCE CODE	GENERATED
64742-54-7	85w-140	2026-08-05

1. IDENTITY & COMPOSITION

PRODUCT NAME	ALLIANCE CODE
Full Synthetic SAE 85W-140 Heavy Duty Gear Lubricant	85w-140
GRADE	CONCENTRATION
—	—
CAS NUMBER	FORMULA
64742-54-7 Adjudicated	Mixture Alliance SDS
MOLECULAR WEIGHT	PRODUCT TYPE
Varies g/mol Alliance SDS	non_chemical

PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	FORM
Clear amber viscous liquid Product record	Liquid Product record
ODOR	PH
Mild petroleum Product record	Not applicable Product record
SPECIFIC GRAVITY (20 °C)	DENSITY
~0.89 Product record	~0.88-0.90 g/cm³ Product record
BOILING POINT	MELTING POINT
>260 °C Product record	Pour point ~ -40 °C Product record
FLASH POINT	VAPOR PRESSURE
>170 °C (closed cup) Product record	Negligible Product record
SOLUBILITY (WATER)	
Insoluble in water Product record	

REGULATORY & TRANSPORT

DOT / 49 CFR

UN NUMBER

Not regulated **Adjudicated**

HAZARD CLASS

Not regulated **Adjudicated**

PACKING GROUP

Not regulated **Adjudicated**

PROPER SHIPPING NAME

Not regulated **Adjudicated**

GHS / OSHA HAZCOM 2012

SIGNAL WORD

Not regulated **Adjudicated**

H-CODES (HAZARD STATEMENTS)

— **unknown**

P-CODES (PRECAUTIONARY STATEMENTS)

P264, P280 **Adjudicated**

OCCUPATIONAL EXPOSURE LIMITS

OSHA PEL (29 CFR 1910.1000)

— **unknown**

ACGIH TLV

— **unknown**

NIOSH REL

— **unknown**

NIOSH IDLH

— **unknown**

Transport descriptions reflect 49 CFR 172.101 lookup at time of publication. Sourced data: ECHA CLP Annex VI for harmonised classifications, NIOSH Pocket Guide for REL/IDLH, OSHA Z-Tables for PEL. Always verify against the latest regulatory text before shipment-critical decisions.

Supplier Qualification Packet

One zipped download containing the TDS, SDS, latest lot COA (when available), and a fresh Letter of Continuing Guaranty for Full Synthetic SAE 85W-140 Heavy Duty Gear Lubricant. Every file included is SHA-256 hashed and listed in a manifest your QA team can audit.

APPLICATION GUIDANCE

Full Synthetic SAE 85W-140 Heavy Duty Gear Lubricant application guidance is available on request. Contact Alliance Chemical Technical Services for grade-specific use recommendations.

STORAGE & HANDLING

RECOMMENDED STORAGE

Cool, dry, well-ventilated area in original sealed containers. Refer to product SDS for material-specific guidance.

INCOMPATIBILITIES

Consult the SDS for material-specific incompatibilities.

HANDLING PRECAUTIONS

Use standard chemical PPE — splash goggles, gloves, lab coat. Refer to SDS for hazard-specific PPE requirements.

SHELF LIFE

24 months from date of manufacture in sealed, original packaging

For full hazard, PPE, and emergency response guidance, refer to the Safety Data Sheet (SDS) for this product. The SDS controls in all cases where guidance differs.

This Technical Data Sheet is provided for technical reference. The Safety Data Sheet (SDS) controls in all cases where guidance differs. Values reflect Alliance Chemical canonical data at time of generation; subsequent revisions are recorded in the Revision History above.

ALLIANCE CHEMICAL

Order Full Synthetic SAE 85W-140 Heavy Duty Gear Lubricant

Bulk & packaged sizes · COA/SDS ships with every order