

A-dec Chair Hydraulic Fluid by A-dec, Inc. SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade name: Mixture 048.531.00
SDS Date of Preparation: 12/20/2019

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Product Use: Hydraulic fluid and hydraulic system lubricant for A-dec products.
Uses Advised Against: None known.

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer:  A-dec, Inc.
2601 Crestview Dr.
Newberg, OR 97132
Tel: 1.800.547.1883 within USA/CAN
Tel: +1.503.538.7478 outside USA/CAN
Website: www.a-dec.com

Distributors:

A-dec Australia
Unit 8
5-9 Ricketty Street
Mascot, NSW 2020
Australia
Tel: 1.800.225.010 within AUS
Tel: +61.(0).2.8332.4000 outside AUS

A-dec China
A-dec (Hangzhou) Dental Equipment Co., Ltd.
528 Shunfeng Road
Qianjiang Economic Development Zone
Hangzhou 311100
Zhejiang, China
Tel: 400.600.5434 within China
Tel: +86.571.89026088 outside China

A-dec United Kingdom
Austin House, 11 Liberty Way
Nuneaton, Warwickshire CV11 6RZ
England
Tel: 0800.ADEC.UK (2332.85) within UK
Tel: +44.(0).24.7635.0901 outside UK

1.4 Emergency Telephone Number:

Contact the A-dec Distributor, listed in section 1.3, closest to your location.
For SDS information guidance, contact INFOTRAC:
1.800.535.5053 – within USA/CAN
1.352.323.3500 – outside USA/CAN

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

GHS Classification:

Physical:	Health:	Environment:
Not Hazardous	Not Hazardous	Not Hazardous

2.2 Label Elements:

None Required

2.3 Other Hazards: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture:

Chemical Name	CAS#	EINECS#	Classification	Amount
Distillates, petroleum, hydrotreated heavy paraffinic	64742-54-7	265-157-1	Not Hazardous	>99%

The exact concentration is being withheld as a trade secret.

Refer to Section 16 for the full text of the GHS and EU Classifications.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye: Flush eyes with water for several minutes, while holding the eyelids apart. Get medical attention if irritation occurs and persists.

Skin: Wash thoroughly with soap and water for several minutes. Get medical attention if irritation occurs and persists. Remove and launder clothing before re-use.

Inhalation: If inhaled, remove victim to fresh air. Get medical attention if you feel unwell.

Ingestion: If small quantities are swallowed, give one glass of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If large amounts are swallowed or discomfort occurs, get medical attention.

4.2 Most Important symptoms and effects, both acute and delayed: Direct contact may cause mild eye irritation. Direct contact may cause slight skin irritation. Inhalation may cause respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is not required.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Use any media that is suitable for the surrounding fire.

5.2 Special Hazards Arising from the Substance or Mixture: This product is not flammable or combustible but will burn under fire conditions. Thermal decomposition may release oxides of carbon.

5.3 Advice for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water spray. Contain water used in fire incidences involving the undiluted product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Isolate the area and remove unprotected people. Wear suitable protective clothing to prevent skin and eye contact. Ventilate the area.

6.2 Environmental Precautions: Report releases as required by local, state and federal authorities.

6.3 Methods and Material for Containment and Cleaning Up: Wipe up or collect with an inert absorbent. Place material into an appropriate container for disposal. Clean the area with large quantities of water. Comply with Federal, State or local regulations on reporting spills.

6.4 Reference to Other Sections: Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wear protective clothing and equipment. Do not breathe mist or vapors. Use only with adequate ventilation. Wash thoroughly with water after handling. Keep containers closed when not in use. Wash clothing before re-use.

Do not reuse containers. Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Keep in a closed container in a cool, dry, ventilated area when not in use. Keep away from oxidizers and other incompatible materials.

7.3 Specific end use(s): Use as a dental unit waterline shock treatment. Use in conjunction with regular dental unit water testing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	Exposure Limits
Distillates, petroleum, hydrotreated heavy paraffinic	5 mg/m ³ TWA, 10 mg/m ³ STEL Manufacturer Recommended Limit

8.2 Exposure Controls:

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Personal Protective Equipment:

Respiratory Protection: In operations where exposure levels are excessive, an approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Follow facility requirements for operation. Chemical resistant gloves are recommended to prevent prolonged skin contact. Contact your glove supplier for assistance in selecting an appropriate glove.

Eye/Face Protection: Chemical safety glasses or dust goggles are recommended to avoid eye contact.

Other: Impervious coveralls, apron and boots are required to prevent prolonged skin contact and contamination of personal clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance: Transparent amber liquid	Vapor Pressure: <1 mmHg @ 20°C
Odor: Petroleum	Vapor Density: >1
Odor Threshold: Not available	Relative Density: 0.85-0.89
pH: Not applicable	Solubility (ies): Negligible
Melting/Freezing Point: Not available	Partition Coefficient Octanol/Water: Not applicable
Initial Boiling Point/Range: Not applicable	Auto-ignition Temperature: Not applicable
Flashpoint: >150°C / 302°F	Decomposition Temperature: Not available
Evaporation Rate: Not applicable	Viscosity: 4.0-25 cSt @ 100°C, 21-345 cSt @ 40°C
Flammability (solid, gas): Not applicable	Explosive Properties: Not explosive
Flammable Limits: LEL: Not applicable UEL: Not applicable	Oxidizing Properties: Not an oxidizer.

9.2 Other Information: None available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not normally reactive

10.2 Chemical Stability: Stable under normal storage and handling conditions.

10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Avoid elevated temperatures.

10.5 Incompatible Materials: Strong oxidizers, strong reducing agents.

10.6 Hazardous Decomposition Products: When heated to decomposition emits oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eye: Direct contact may cause mild irritation.

Skin: Direct skin contact may cause slight skin irritation.

Inhalation: Inhalation may cause irritation of the nose, throat and respiratory tract.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea and vomiting.

Chronic Hazards: None known.

Acute Toxicity Values:

Product: Oral rat LD50 >5000 mg/kg; Dermal rat LD50 >5000 mg/kg; Inhalation rat >5 m/L (no deaths)

Irritation: Product is not expected to be an irritant.

Corrosivity: Product is not expected to be corrosive.

Sensitization: Product is not expected to be a dermal or respiratory sensitizer.

Carcinogenicity: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP, OSHA, or the EU CLP.

Germ Cell Mutagenicity: Not expected to cause germ cell mutagenicity.

Reproductive Toxicity: Not expected to cause reproductive harm.

Specific Target Organ Toxicity:

Single Exposure: None known.

Repeated Exposure: None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No data available for the mixture. This product is not expected to be hazardous to the environment.

12.2 Persistence and Degradability: No data available.

12.3 Bioaccumulative Potential: No data available.

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB Assessment: No data available

12.6 Other Adverse Effects: Not applicable

SECTION 13: DISPOSAL CONSIDERATIONS
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13.1 Waste Treatment Methods: Dispose in accordance with local and national environmental regulations.

SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not regulated	None	None	Not applicable
Canadian TDG	None	Not Regulated	None	None	Not applicable
EU ADR/RID	None	Not regulated	None	None	Not applicable
IMDG	None	Not regulated	None	None	Not applicable
IATA/ICAO	None	Not regulated	None	None	Not applicable

14.6 Special Precautions for User: Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Refer to Section 2 for OSHA Hazard Classification.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA inventory.

STATE REGULATIONS:

California Proposition 65: This product does not contain substances known in the State of California to cause cancer and/or reproductive harm.

INTERNATIONAL REGULATIONS:

CANADIAN REGULATIONS

Canadian Environmental Protection Act: This product contains one or several components listed on either the Domestic Substances List (DSL) or Non- Domestic Substances list (NDSL).

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

EUROPEAN REGULATIONS

REACH: A-dec, Inc. products comply with REACH regulation as applicable. For more information, contact A-dec, Inc.

SVHC: This product contains the following Substances of Very High Concern (SVHCs): None

15.2 Chemical Safety Assessment: None required.

SECTION 16: OTHER INFORMATION

NFPA Rating: Health = 0 Flammability = 0 Instability = 0
HMIS Rating: Health = 1 Flammability = 0 Physical Hazard = 0

Revision Summary:
12/20/2019: New SDS

GHS Classification for Reference
(See Sections 2 and 3):
None

NOTICE

The above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. A-dec, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.

