




NFPA	WHMIS	PPE	Transport Symbol
	Non-controlled	 	Not regulated

Revision Date: 27-Mar-2012

Revision Number: 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Aisin Automatic Transmission Fluid Type WS, 12 x 1 Quart  
**Product Code:** ATF-0WS  
**Recommended use:** Automotive Lubricant

**Contact Company**

AISIN World Corp. of America  
 24330 Garnier Street  
 Torrance, CA 90505  
 Telephone: (800) 822-2726  
 Fax: (310) 539-9035

**Emergency Telephone Number** Chemtrec 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

**CAUTION!**

**Emergency Overview**

Vapors may be irritating to eyes, nose, throat, and lungs

**Appearance** Clear Red

**Physical State:** Liquid

**Odor:** Mild

**Mexico - Grade** Slight risk, Grade 1

**Potential Health Effects**

**Principle Routes of Exposure** Skin, Eye

**Acute Effects**

**Eyes** Mild eye irritation.

**Skin** Mild skin irritation.

**Inhalation** Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing

**Ingestion** May be harmful if swallowed

**Chronic Effects**

This product contains a petroleum-based mineral oil. Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, cracking, (dermatitis) or oil acne. Repeated or prolonged inhalation of petroleum-based mineral oil mists at concentrations above applicable workplace exposure levels can cause respiratory irritation or other pulmonary effects

See Section 11 for additional Toxicological information.

**Potential Environmental Effects**

See Section 12 for additional Ecological information.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

**Non-Hazardous Components**

Chemical Name	CAS-No	Weight %
Lubricating Base Stocks	Mixture	>85

**4. FIRST AID MEASURES**

**General Advice**

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician.

**Ingestion**

Do not induce vomiting without medical advice. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

**Protection of First-aiders**

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

**5. FIRE-FIGHTING MEASURES**

**Flammable Properties**

NFPA: Class IIIB Combustible Liquid

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Hazardous combustion products**

Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, oxides of phosphorus.

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition.

**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.



**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.

**General Hygiene Considerations**

When using, do not eat, drink or smoke. Clean equipment, work area and clothing regularly. Handle in accordance with good industrial hygiene and safety practices..

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Clear Red
<b>Odor:</b>	Mild
<b>Physical State:</b>	Liquid
<b>Flash Point</b>	174°C / 345°F
<b>Method</b>	COC ASTM D92
<b>Density</b>	0.85 g/cm <sup>3</sup> @15°C
<b>Viscosity</b>	@40C= 34.88 cSt; @ 100C = 7.332 cSt

**10. STABILITY AND REACTIVITY**

**Chemical Stability**

Stable under recommended storage conditions. Hazardous polymerization does not occur.

**Conditions to Avoid**

Heat, flames and sparks

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous decomposition products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

<b>LD50 Oral:</b>	> 7000 mg/kg
<b>LD50 Dermal:</b>	> 4000 mg/kg

**Chronic Toxicity**

**Carcinogenicity:**

The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, hydrotreating, and dewaxing to remove aromatics and improve performance characteristics. All of the oils meet the IP-346 criteria of less than 3 percent PAH's and therefore none are listed as a carcinogen by NTP, IARC, or OSHA

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

## 12. ECOLOGICAL INFORMATION

Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

This material contains phosphorus which is a controlled element for disposal in effluent waters in most sections of North America. Phosphorus is known to enhance the formation of algae. Severe algae growth can reduce oxygen content in the water possibly below levels necessary to support marine life.

## 13. DISPOSAL CONSIDERATIONS

**Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.**

<b>Waste Disposal Method</b>	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
<b>Contaminated Packaging</b>	Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

All components in the product are on the following Inventory Lists: U.S.A. (TSCA), Canada (DSL/NDSL), Korea (ECL), China (IECSC).

### Hazardous Components

USA

### Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

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

**CERCLA/SARA 302 & 304**

Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 355.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

**State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	Weight %	California Prop. 65	Safe Harbor Limits for Reproductive Toxicity (MADLS)	Safe Harbor Limits for Cancer-causing Chemicals (NSRLs)
Benzene	71-43-2	<0.05	Carcinogen Developmental Male Reproductive	24µg/dayoral 49µg/dayinhalation	6.4 µg/day oral 13 µg/day inhalation

**State Right-to-Know**

This product does not contain any substances regulated by state right-to-know regulations.

**Predominant Ingredients - NJRTK**

Chemical Name	CAS-No
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with eicosyl 2-methyl-2-propenoate, hexadecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, octadecyl 2-methyl-2-propenoate, pentadecyl 2-met	63150-07-2
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based, contg. solvent deasphalted residual oil	72623-84-8
Lubricating oils, petroleum, C15-30, hydrotreated neutral oil-based	72623-86-0
White mineral oil	8042-47-5
Alkenyl dicarboxylamide	ACC#147376

**Canada**

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

**WHMIS Hazard Class**

Non-controlled

**Legend**

NPRI - National Pollutant Release Inventory

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16. OTHER INFORMATION

**Prepared By** Robin Hutchens  
**Preparation Date** 15-Jan-2010  
**Revision Date:** 27-Mar-2012  
**Revision Summary:** Determine the product wasn't an OSHA Hazard. Added the NJRTK Predominant Ingredients .

**Disclaimer:**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, 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**