SAFETY DATA SHEET

This safety data sheet complies with the requirements of: OSHA Hazard Communication Standard (29 CFR 1910.1200)

Product Name: Subaru ATF-WS, Pail
Product Code: 34070103-95200C020

Revision Date: 27-May-2021
Revision Number: 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name: Subaru ATF-WS, Pail

Other means of identification

Product Code: 34070103-95200C020

1.2 Recommended use of the chemical and restrictions on use

Recommended Use: Automatic Transmission Fluid

1.3 Details of the supplier of the safety data sheet

Supplied by:
Idemitsu Lubricants America Corporation
701 Port Rd., Jeffersonville, IN. 47130
Telephone: 1-(812) 284-3300 Business hours: 8am-4:30pm est
Email: Ila.sds@idemitsu.com

24 Hour Emergency Phone Number:
Within USA and Canada: 1 800-424-9300
Outside USA and Canada: + 1 703-741-5970
(collect calls accepted)

2. HAZARDS IDENTIFICATION

2.1 Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.2 Label elements

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Hazards not otherwise classified (HNOC) Not applicable

2.3 Other information

Other hazards
High-pressure injection under skin may cause serious damage.
Repeated exposure may cause skin dryness or cracking
May cause eye irritation
May cause respiratory irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixture

Non-Hazardous Components

Chemical name	CAS-No	weight-%
Lubricating Base Stocks	Mixture	85-100

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

4. FIRST AID MEASURES

4.1 First Aid Measures

General Advice If symptoms persist, call a physician. Take a copy of the Safety Data Sheet when going for medical treatment.

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.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists: Get medical advice or attention.

Inhalation Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.

Ingestion Do not induce vomiting without medical advice. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. If symptoms persist, call a physician.

Protection of First-aiders Use personal protective equipment. Avoid contact with eyes, skin and clothing.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms See Section 11 for additional Toxicological information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties NFPA: Class IIIB Combustible Liquid

5.1 Suitable extinguishing media

Use, Water fog, Foam, Dry chemical, Carbon dioxide (CO2)

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

5.2 Specific Hazards Arising from the Chemical

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

Hazardous combustion products During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and / or irritating. Combustion products may include and are not limited to:

Carbon oxides
aldehydes
Sulphur oxides
smoke
fumes

5.3 Protective Equipment and Precautions for Firefighters: Evacuate area. Wear a self-contained breathing apparatus and appropriate personal protective equipment (PPE). Contain and recover liquid when possible. Flush spill area with water spray. Do not flush to sewer. Prevent run-off from entering drains, sewers or waterways.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes, skin and clothing. See section 8 for more information. Take precautionary measures against static discharges.

6.2. Environmental precautions

Environmental Precautions Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Methods for Clean-up Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceus earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Notification Procedures In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802

Spill Management

LARGE SPILLS Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

WATER SPILLS Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn after other shipping. Remove from surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling Do not breathe vapors, spray, or mist. Avoid contact with eyes, skin and clothing. Use personal protection recommended in the SDS. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition.

Safe Handling Advice Do not breathe vapours/dust. Avoid contact with eyes, skin and

clothing. Use personal protection recommended in Section 8. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Handle in accordance with good industrial hygiene and safety practices.

7.2. Conditions for safe storage, including any incompatibilities

Storage Do not store in open or unlabelled containers. Take precautionary measures against static discharge.

Technical measures/Precautions Ensure adequate ventilation.

Static Hazard This material is a static accumulator

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Guidelines

Chemical name	OSHA PEL	ACGIH TLV	ACGIH OEL (STEL)	NIOSHT REL TWA	ILA IHG	ILA ROEG	ILA Internal Exposure Limit
Oil mist, mineral	TWA: 5 mg/m³	TWA: 5 mg/m³		TWA 5 mg/m³ ST 10 mg/m³			

8.2 Exposure controls

Appropriate engineering controls Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal Protective Equipment

Eye/face protection Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.

Skin protection Choose the appropriate protective clothing and gloves based on the tasks being performed to avoid exposed skin surfaces. **Glove Type:** Neoprene, Nitriles; Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves

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 Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Red
Physical state	Liquid
Odor	Characteristic
Odor Threshold	No information available
pH	Not applicable
Melting point / melting range	Not applicable
Boiling point / boiling range	>316 °C / 600 °F
Flash Point	> 175 °C / 347 °F COC ASTM D92
Evaporation Rate	No information available
Flammability Limit in Air	
Upper	7.0
Lower	0.9
Explosion Limits	No information available
Vapor pressure @20 °C (kPa)	0.1 mmHg @ 20 °C
Vapor density	>2 at 101 kPA
Density	0.85 g/cm^3 @15°C
Solubility(ies)	No information available
Partition coefficient	>3.5
Autoignition Temperature	No information available
Decomposing Temperature	No information available
Kinematic viscosity	@ 40C = 24 cSt; @100C = 5.45 cSt

9.2. Other information

DMSO extract by IP346	Less than 3.0 wt% (mineral oil component only)

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity Stable under recommended storage conditions.

10.2. Chemical stability

Chemical Stability Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions None under normal processing.

10.4. Conditions to avoid

Conditions to Avoid Excessive heat. Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

Incompatible Materials Strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products Material does not decompose at ambient temperatures.

11. TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

Inhalation May cause irritation of respiratory tract.

Eye contact	May cause slight irritation.
Skin Contact	May cause skin irritation and/or dermatitis.
Ingestion	May be harmful if swallowed.

11.2 Information on toxicological effects

Symptoms	No information available

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Not classified.
Serious eye damage/eye irritation	Not classified.
Sensitization	Not classified.
Mutagenic effects	Not classified.
Reproductive Toxicity	Not classified
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified.

11.4 Carcinogenicity

Carcinogenicity:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, OSHA or ACGIH.
Legend:	*NTP (National Toxicology Program), IARC (International Agency for Research on Cancer), OSHA (Occupational Safety and Health Administration of the US Department of Labor), ACGIH (American Conference of Governmental Industrial Hygienists)*

11.5 Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

Product Information (Estimated):

ATEmix (oral)	> 5,000 mg/kg
ATEmix (dermal)	> 2,000 mg/kg

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecotoxicity effects	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Persistence and degradability	Inherently biodegradable.
12.3. Bioaccumulative potential	No information available.

12.4 Mobility in Environmental Media	Base oil component--Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.
12.5 Other adverse effects:	No information available.
PBT and vPvB assessment	No information available

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.

Waste Disposal Method	Product is suitable for burning in an enclosed burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Should not be released into the environment. Waste must be disposed of in accordance with federal, state, and local environmental control regulations.
Contaminated packaging	Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.
Waste Classification	The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrositivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14.TRANSPORT INFORMATION

DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	All ingredients are on the inventory or exempt from listing
DSL/NDSL	All ingredients are on the inventory or exempt from listing
IECSC	All ingredients are on the inventory or exempt from listing
KECL	All ingredients are on the inventory or exempt from listing
PICCS	All ingredients are on the inventory or exempt from listing
AICS	All ingredients are on the inventory or exempt from listing

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.

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

State Regulations

California Proposition 65

Label: This product does not contain any Proposition 65 chemicals

State Right-to-Know

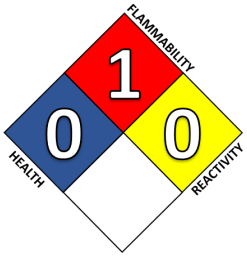
Chemical name	CAS-No	weight-%	New Jersey
Severely hydrotreated heavy paraffinic distillate	64742-54-7	20-30	X
Catalytic dewaxed light paraffinic oil (petroleum)	64742-71-8	20-30	X

Chemical name	CAS-No	weight-%	Massachusetts
Catalytic dewaxed light paraffinic oil (petroleum)	64742-71-8	20-30	X

Chemical name	CAS-No	weight-%	Pennsylvania
Catalytic dewaxed light paraffinic oil (petroleum)	64742-71-8	20-30	X

New Jersey Worker and Community Right-to-Know Act:
Contact Idemitsu Lubricants America for this information

16. OTHER INFORMATION



NFPA **Health hazards:** 0 **Flammability:** 1 **Instability:** 0

Prepared By: Aaron Keck

Revision Date: 27-May-2021

Revision Summary: Section 1: Identification of the hazardous chemical and of the supplier
Review

Disclaimer:

The information provided on this SDS 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