19370721

SAFETY DATA SHEET

DEXRON® ULV Automatic Transmission Fluid

JIS Z 7253:2012 Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS)

1. Identification

Product identifier

Product name DEXRON® ULV Automatic Transmission Fluid

Product number GMJ

Synonyms; trade names 19352619

Recommended use of the chemical and restrictions on use

Application Automatic Transmission Fluid

Uses advised against Use only for intended applications.

Details of the supplier of the safety data sheet

Supplier General Motors Japan Co., Ltd.
Shinagawa Seaside East Tower 8th Floor,
4-12-8, Higashi-Shinagawa, Shinagawa-ku,
Tokyo 104-8687 Japan
03-6711-5600

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Asp. Tox. 1 - H304

Environmental hazards Not Classified

Label elements

Hazard symbols

Signal word Danger

Hazard statements H304 May be fatal if swallowed and enters airways.

Precautionary statements P301+P310 If swallowed: Immediately call a poison center/ doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

3. Composition/information on ingredients

Mixtures

Distillates (petroleum), hydrotreated light paraffinic CAS number: 64742-55-8	**> 85%**
Classification Asp. Tox. 1 - H304	

The full text for all hazard statements is displayed in Section 16.

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Composition comments	The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

4. First-aid measures

Description of first aid measures

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Ingestion	Aspiration hazard if swallowed. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention immediately.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Wash skin thoroughly with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	May cause respiratory irritation.
Ingestion	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.
Skin contact	Dry skin. Prolonged or repeated exposure may cause severe irritation.
Eye contact	May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Acute aspirations of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Oxides of sulfur. Oxides of nitrogen. Oxides of phosphorus.

Advice for firefighters

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Protective actions during firefighting	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Take care as floors and other surfaces may become slippery. No smoking, sparks, flames or other sources of ignition near spillage.

Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions	Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. This product must not be handled in a confined space without adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Take care as floors and other surfaces may become slippery. Keep container tightly sealed when not in use. Avoid the formation of mists. Do not handle broken packages without protective equipment. Do not reuse empty containers.
Advice on general occupational hygiene	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Wash contaminated clothing before reuse. Wash after use and before eating, smoking and using the toilet.

Conditions for safe storage, including any incompatibilities

Storage precautions	Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Keep away from strong oxidizers, heat, sparks, and ignition sources.
Storage class	Chemical storage.

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Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Mineral oil mist Long-term exposure limit (8-hr TWA): 3 mg/m3

Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Nitrile rubber.

Other skin and body protection Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Check that the respirator fits tightly and the filter is changed regularly.

Environmental exposure controls Keep container tightly sealed when not in use.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Liquid.

Color Red. Transparent.

Odor Petroleum.

Odor threshold Not available.

pH Not applicable.

Melting point Not available.

Initial boiling point and range Not available.

Flash point > 157°C/315°F Pensky-Martens closed cup., ASTM D93, EPA 1010

Evaporation rate Not available.

Evaporation factor Not available.

Flammability (solid, gas) Not applicable.

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Upper/lower flammability or explosive limits	Not available.
Vapor pressure	<1 mm Hg
Vapor density	> 1
Relative density	0.83 - 0.85 @ 15.6°C/60°F
Bulk density	0.83 - 0.85 kg/l
Solubility(ies)	Slightly soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	19-20 cSt @ 40°C 4.4-4.6 cSt @ 100°C
Explosive properties	Not applicable.
Oxidizing properties	Not available.
Other information	The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.
Molecular weight	Not applicable.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	Avoid heat, flames and other sources of ignition.
Materials to avoid	Strong oxidizing agents. Strong reducing agents.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation	Repeated exposure may cause skin dryness or cracking.
Animal data	Based on available data the classification criteria are not met.

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Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitization

Respiratory sensitization	No data available.

Skin sensitization

Skin sensitization	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met. The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard	Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin Contact	No specific symptoms known. Repeated exposure may cause skin dryness or cracking.
Eye contact	No specific symptoms known.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.

12. Ecological information

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
Toxicity	Based on available data the classification criteria are not met.

Acute aquatic toxicity

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Acute toxicity - fish All acute aquatic toxicity studies on samples of lubricant base oils show acute toxicity values greater than 100 mg/L for invertebrates, algae and fish. These tests were carried out on water accommodated fractions and the results are consistent with the predicted aquatic toxicity of these substances based on their hydrocarbon compositions.

Persistence and degradability

Persistence and degradability The hydrocarbons in this material are not readily biodegradable, but since they can be degraded by microorganisms, they are regarded as inherently biodegradable.

Bioaccumulative potential

Bio-Accumulative Potential Log Kow values measured for the hydrocarbon components of this material are greater than 5.3, and therefore regarded as having the potential to bioaccumulate. In practice, metabolic processes may reduce bioconcentration.

Partition coefficient Not available.

Mobility in soil

Mobility Volatilization to air is not expected to be a significant fate process due to the low vapor pressure of this material. In water, base oils will float and spread over the surface at a rate dependent upon viscosity. There will be significant removal of hydrocarbons from the water by sediment adsorption. In soil and sediment, hydrocarbon components will show low mobility with adsorption to sediments being the predominant physical process. The main fate process is expected to be slow biodegradation of the hydrocarbon constituents in soil and sediment.

Other adverse effects

Other adverse effects None known.

13. Disposal considerations

Waste treatment methods

General information The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

14. Transport information

UN Number

UN No. (DOT) Not applicable.

UN proper shipping name

Proper shipping name (DOT) Not applicable.

Transport hazard class(es)

DOT transport labels
No transport warning sign required.

Packing group

DOT packing group Not applicable.

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Special precautions for user

DOT reportable quantity	Not applicable.
DOT TIH Zone	Not applicable.

15. Regulatory information

Safety, hygiene and environmental regulations / legislation specific for the substance or mixture:

Japanese Fire Service Law	Power Steering Fluid Group 4 Inflammable Liquid Class 3 Petroleum non-water-soluble Hazardous Rank: III Amount: 0.946 liters Caution: No Open Flame Specified quantity: 2000 liters
Pollutant Release and Transfer Register (PRTR) Class 1 substances:	Not applicable.
Pollutant Release and Transfer Register (PRTR) Class 2 substances:	Not applicable.
Poisonous and Deleterious Substances Control Law (PDSCL) substances:	Not applicable.
ISHL Dangerous Goods Requiring Notification (Article 57-2)	Not applicable.
ISHL Enforcement Order, Table 3-1, Manufacturing Permit Chemical Substances:	Not applicable.
ISHL Risk Assessment (Article 57-3)	An employer is required to conduct a risk assessment based on the hazards and use of this product in the workplace. The employer should provide measures to reduce the risk of accidents or injury in the workplace.

Inventories

US - TSCA
All the ingredients are listed or exempt.

Japan - ENCS
All the ingredients are listed or exempt.

16. Other information

Revision date	2019/01/07
SDS No.	4798
Hazard statements in full	H304 May be fatal if swallowed and enters airways.

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Although the description contents are prepared based on publicly available information and company information, since all information on chemistry or technology at the moment is not considered, there is no guarantee for it . Also, the notes are for ordinary handling. In the case of special handling, please give consideration to this point.