

TO: Subaru Parts Managers and Service Managers

FROM: Subaru Fixed Operations

DATE: September 29, 2014

SUBJECT: Important CVT fluid changes

The current Genuine Subaru CVT C-30 fluid (quarts and pails) has been discontinued and is being replaced by the new Genuine Subaru CVTF-II fluid. The new Genuine Subaru CVTF-II fluid is available in 1 quart bottles (12 per case) using part number SOA427V1660. The 5 gallon pails can be ordered in quantities of 1 using part number SOA427V1610.

The new fluid can be used in all 4 cylinder non-turbo Lineartronic™ transmissions.

The product information sheet shown below and the MSDS data can be found on Subarunet by clicking [Fixed Ops – Inventory/Ops >> Chemicals & Oils](#) on the left. All of the latest products, product information sheets, and MSDS sheets can be found there. If you have any questions, please contact your District Parts and Service Manager.



GENUINE SUBARU CHEMICALS

CVTF-II

Featuring excellent metal friction characteristics, Genuine Subaru Certified CVTF-II is specifically formulated and is approved for use in Subaru 4-cylinder non-turbo Lineartronic™ transmissions.

Benefits

- Exclusive factory fill formulation
- Specially formulated blend of base oils and superior additives for superior performance
- Delivers superior oxidation stability and low-temperature flow
- Offers superior anti-wear protection
- Provides improved noise reduction
- Required for use in all warranty repairs
- Fluid is green in color



Description	Part Number	Quantity/Unit/Pack	Discount
CVTF-II	SOA427V1660	12 / 1 quart / bottle	N/A

**IDEMITSU**

Safety Data Sheet

Issue Date 10-Dec-2013

Revision date 16-Apr-2014

Version 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code 34070087
 Product name SUBARU CVT FLUID LINEARTRONIC 2
 Pure substance/mixture mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use lubricant
 Uses advised against Not Applicable

1.3. Details of the supplier of the safety data sheet

Manufacturer

Idemitsu Kosan Co., Ltd.
 1-1 3-Chome
 Marunouchi
 Chiyoda-ku Tokyo, 100-8321, Japan
 Telephone: +81-3-3213-3143
 Fax: +81-3-3211-5343

For further information, please contact

1.4. Emergency telephone number

Emergency Telephone Idemitsu Kosan Co.,Ltd. ; TEL:+81-3-3213-3143

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Regulation (EC) No 1272/2008

Classification according to 67/548/EEC
 Full text of R-phrases: see section 16

Hazard symbols
 Not dangerous

R-code(s)
 Not classified

2.2. Label elements Product identifier

Precautionary Statements - EU (§28, 1272/2008)

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients**3.1 Substances**

chemical name	EC No	CAS No	weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Mineral oil	Listed	-	70-80	Not Applicable	Not Applicable	Not Applicable
Synthetic hydrocarbon	Not Listed	-	<10	Not Applicable	Not Applicable	Not Applicable
Additives	-	-	10-20	Not Applicable	Not Applicable	Not Applicable

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures**4.1. Description of first aid measures****INHALATION**

Move to fresh air in case of accidental inhalation of vapors or decomposition products. (Get medical attention immediately if symptoms occur.).

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

INGESTION

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed**Symptoms**

No information available.

4.3. Indication of any immediate medical attention and special treatment needed**SECTION 5: FIRE FIGHTING MEASURES****5.1. Extinguishing media****Suitable extinguishing media**CO₂, dry chemical, dry sand, alcohol-resistant foam.**Unsuitable extinguishing media**

Do NOT use straight streams

5.2. Special hazards arising from the substance or mixture

The product causes burns of eyes, skin and mucous membranes Thermal decomposition can lead to release of irritating and toxic gases and vapors In the event of fire and/or explosion do not breathe fumes

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Should not be released into the environment.

6.3. Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use personal protective equipment as required. Avoid breathing vapors or mists.

General hygiene considerations

Handle in accordance with good Industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Store at ambient conditions. Store in accordance with local regulations.

7.3. Specific end use(s)**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear protective nitrile rubber gloves. Thickness: not less than 0.3mm.

Skin and body protection Suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Liquid	Odor	characteristic
Appearance	No information available	Odor Threshold	No information available
color	green		

Property	Values	Remarks • Method
pH		No information available
melting point		
flash point	170 °C / 338 °F	Cleveland Open Cup
Water solubility	Insoluble in water	
Kinematic viscosity @40°C	28.29 mm ² /s	
Kinematic viscosity @100°C	6.984 mm ² /s	

9.2. Other information

Pour point	-47.5 °C
Dropping point	
density @15°C	0.8537 g/cm ³

SECTION 10: Stability and reactivity**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge No information available.

10.3. Possibility of hazardous reactions

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Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Strong oxidizing agents. Heat, flames and sparks.

10.5. Incompatible materialsStrong oxidizing agents
Strong bases**10.6. Hazardous decomposition products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****acute toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

INHALATION	No data available.
Eye Contact	No data available.
Skin Contact	No data available.
INGESTION	No data available.

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

ATEmix (oral)	6,062.00
ATEmix (dermal)	6,062.00
ATEmix (inhalation-gas)	22,000.00
ATEmix (inhalation-dust/mist)	10,115.00
ATEmix (inhalation-vapor)	9,999.00

chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Mineral oil	> 5000 mg/kg (Rat)	6000mg/kg	>5mg/l

skin corrosion/irritation No information available.**Serious eye damage/eye irritation** No information available.**sensitization** No information available.**germ cell mutagenicity** No information available.

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 PAHs and therefore none are listed as a carcinogen by NTP, IARC, or OSHA.

Reproductive Toxicity No information available.

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STOT - single exposure No information available.

STOT - repeated exposure No information available.

aspiration hazard Not classified.

SECTION 12: Ecological information

12.1. Toxicity

Water hazard class (WGK) slightly hazardous to water (WGK 1).

Harmful to aquatic life

chemical name	Algae/aquatic plants	Fish	Crustacea
Mineral oil		5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

12.6. Other adverse effects

No known effect

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal.

SECTION 14: Transport information

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IMDG

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not Applicable
14.6 Special Provisions	none

RID

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	none

ADR

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	none

IATA

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	none

ADN

14.1 UN/ID no	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not Applicable
14.6 Special Provisions	none

IBC

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated
Proper shipping name	Not regulated
CATEGORY	Not regulated

SECTION 15: Regulatory information

ENCS	Complies
TSCA	Complies
EINECS	Complies
DSL	Complies
AICS	Complies
KECL	Complies
PICCS	Complies
IECSC	Complies

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water hazard class (WGK) slightly hazardous to water (WGK 1).

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance

SECTION 16: Other information

Issue Date	10-Dec-2013
Revision date	16-Apr-2014
Revision Note	Not Applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Material Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet