



SAFETY DATA SHEET

Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: Lubegard® Complete Multi-Vehicle Dual Clutch Transmission Fluid
Product Code: 56005, 56032, 56055

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Use: Lubricant.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name/Address: International Lubricants, Inc.
P.O. Box 24743, Seattle WA
98124-0743, USA
Telephone Number: (206) 762-5343
(800) 333-LUBE (5823)

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: CHEM TEL (800) 255-3924
CHEM TEL (813) 248-0585

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

Hazard class

Skin Sensitization 1

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

Hazard Pictogram:



Signal Word: Warning
Hazard Statement: May cause an allergic skin reaction.
Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.
Response: If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Storage: Not applicable.
Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3 ADDITIONAL INFORMATION

Hazards not otherwise classified: Not applicable.
10 % of the mixture consists of ingredient(s) of unknown acute toxicity.

**SAFETY DATA SHEET****WHMIS Classification(s):**

Class D2B - Skin Sensitization

Class D2B - Skin/Eye Irritant

WHMIS Hazard Symbols:**WHMIS Signal Word:**

WARNING

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 MIXTURES**

Ingredient	CAS No	Wt. %
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	30 - 60
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	15 - 40
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-base	72623-87-1	3 - 7
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives	84605-20-9	1 - 5
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	1 - 5
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	1 - 5
Isooctadecanoic acid, reaction products with tetraethylenepentamine	68784-17-8	0.5 - 1.5
1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-	89347-09-1	0.5 - 1.5
C14-18 alpha-olefin epoxide, reaction products with boric acid	EPA Acc# 58641 DSL Acc# 10032-6	0.1 - 1
Distillates (petroleum), hydrotreated middle	64742-46-7	0.1 - 1
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	61791-44-4	0.1 - 1
2-Ethylhexyl methacrylate	688-84-6	0.1 - 1
Diphenylamine	122-39-4	0.1 - 1

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Section 4: FIRST- AID MEASURES**4.1 DESCRIPTION OF THE FIRST AID MEASURE**

Eye:	In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
Skin:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.



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4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin:	May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to Physicians:	Symptoms may not appear immediately.
Specific Treatments:	In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability:	Not flammable by WHMIS/OSHA criteria.
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5.2 EXTINGUISHING MEDIA

Suitable Extinguishing Media:	Powder, water spray, foam, carbon dioxide.
Unsuitable Extinguishing Media:	Do not use a heavy water stream.

5.3 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

Products of Combustion:	May include, and are not limited to: oxides of carbon, oxides of nitrogen, oxides of sulfur, aldehydes.
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Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for Containment:	Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for Cleaning-Up:	Scoop up material and place in a disposal container. Provide ventilation.



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Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling: Avoid contact with skin and eyes. Do not swallow. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat, drink or smoke. (See section 8)

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep out of the reach of children. Keep container tightly closed. (See section 10)

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Exposure Guidelines

Occupational Exposure Limits		
Ingredient	OSHA-PEL	ACGIH-TLV
Distillates (petroleum), hydrotreated light paraffinic	Not available.	Not available.
Distillates (petroleum), hydrotreated heavy paraffinic	Not available.	Not available.
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-base	Not available.	Not available.
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives	Not available.	Not available.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Not available.	Not available.
Distillates (petroleum), solvent-dewaxed light paraffinic	Not available.	Not available.
Isooctadecanoic acid, reaction products with tetraethylenepentamine	Not available.	Not available.
1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-	Not available.	Not available.
C14-18 alpha-olefin epoxide, reaction products with boric acid	Not available.	Not available.
Distillates (petroleum), hydrotreated middle	Not available.	Not available.
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	Not available.	Not available.
2-Ethylhexyl methacrylate	Not available.	Not available.
Diphenylamine	10 mg/m ³	10 mg/m ³

8.2 EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTIVE MEASURES

Personal Protective Equipment:

Eye/Face Protection: Safety glasses or goggles are recommended when using product.

Skin Protection:

Hand Protection: Wear chemically resistant protective gloves.

Body Protection: Wear suitable protective clothing.



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Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.
Color:	Gold.
Odor:	Characteristic.
Odor Threshold:	Not available.
Physical State:	Liquid.
pH:	Not available.
Melting Point/Freezing Point:	Not available.
Initial Boiling Point and Boiling Range:	Not available.
Flash Point:	199 °C (390 °F) (COC)
Evaporation Rate:	Not available.
Flammability:	Not flammable.
Lower Flammability/Explosive Limit:	Not available.
Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density/Specific Gravity:	0.858 @ 16 °C (60 °F)
Solubility:	Insoluble.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	33 cSt @ 40° C (104° F)
Explosive Properties:	Not available.
Oxidizing Properties:	Not available.

Section 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2 CHEMICAL STABILITY

Stable under normal storage conditions.



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10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under conditions of normal use.

10.4 CONDITIONS TO AVOID

Heat. Incompatible materials.

10.5 INCOMPATIBLE MATERIALS

Oxidizers.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon, oxides of nitrogen, oxides of sulfur, aldehydes.

Section 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Symptoms related to physical/chemical/toxicological characteristics:

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

Acute Toxicity:

Ingredient	LC50	LD50
Distillates (petroleum), hydrotreated light paraffinic	Inhalation 3900 mg/m ³ 4 h, rat	Oral >5000 mg/kg, rat Dermal >2000 mg/kg, rabbit
Distillates (petroleum), hydrotreated heavy paraffinic	Inhalation >5.53mg/L 4 h, rat	Oral >15000 mg/kg, rat Dermal >5000 mg/kg, rabbit
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-base	Inhalation 2.18 mg/L 4 h, rat	Oral >5000 mg/kg, rat Dermal >2000 mg/kg, rabbit
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives	Not available.	Not available.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Inhalation 2.18 mg/L 4 h, rat	Oral >5000 mg/kg, rat Dermal >5000 mg/kg, rabbit
Distillates (petroleum), solvent-dewaxed light paraffinic	Not available.	Oral >5000 mg/kg, rat Dermal >5000 mg/kg, rabbit
Isooctadecanoic acid, reaction products with tetraethylenepentamine	Not available.	Not available.
1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-	Not available.	Oral > 10 g/kg, rat Dermal > 2 g/kg, rabbit
C14-18 alpha-olefin epoxide, reaction products with boric acid	Not available.	Not available.
Distillates (petroleum), hydrotreated middle	Inhalation 4.6 mg/L 4 h, rat	Oral 7400 mg/kg, rat Dermal >2000 mg/kg, rabbit

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Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	Not available.	Oral 630 mg/kg, rat
2-Ethylhexyl methacrylate	Not available.	Oral 16465 mg/kg, rat
Diphenylamine	Not available.	Oral 1165 mg/kg, rat Dermal >2000 mg/kg, rabbit

Calculated overall Chemical Acute Toxicity Values		
LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
>20 mg/L 4h, rat	> 2000 mg/kg, rat	> 2000 mg/kg, rabbit

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*
Distillates (petroleum), hydrotreated light paraffinic	Not listed.
Distillates (petroleum), hydrotreated heavy paraffinic	Not listed.
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-base	Not listed.
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives	Not listed.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Not listed.
Distillates (petroleum), solvent-dewaxed light paraffinic	Not listed.
Isooctadecanoic acid, reaction products with tetraethylenepentamine	Not listed.
1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-	Not listed.
C14-18 alpha-olefin epoxide, reaction products with boric acid	Not listed.
Distillates (petroleum), hydrotreated middle	Not listed.
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	Not listed.
2-Ethylhexyl methacrylate	Not listed.
Diphenylamine	G-A4

* See Section 15 for more information.

11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

Skin Corrosion/Irritation:	May cause skin irritation.
Serious Eye Damage/Irritation:	May cause eye irritation.
Respiratory Sensitization:	Based on available data, the classification criteria are not met.
Skin Sensitization:	May cause an allergic skin reaction.
STOT-Single Exposure:	Based on available data, the classification criteria are not met.
Chronic Health Effects:	
Carcinogenicity:	Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity:	Based on available data, the classification criteria are not met.
Reproductive Toxicity:	
Developmental:	Based on available data, the classification criteria are not met.
Teratogenicity:	Based on available data, the classification criteria are not met.
Embryotoxicity:	Based on available data, the classification criteria are not met.
Fertility:	Based on available data, the classification criteria are not met.



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STOT-Repeated Exposure: Based on available data, the classification criteria are not met.
Aspiration Hazard: Based on available data, the classification criteria are not met.
Toxicologically Synergistic Materials: Not available.
Other Information: Not available.

Section 12: ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

12.2 PERSISTENCE AND DEGRADABILITY

Not available.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Not available.

12.4 MOBILITY IN SOIL

Not available.

12.5 OTHER ADVERSE EFFECTS

Not available.

Section 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Disposal Method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Other disposal recommendations: Not available.

Section 14: TRANSPORT INFORMATION

14.1 UN NUMBER

DOT

Not regulated.

TDG

Not regulated.

14.2 UN PROPER SHIPPING NAME

DOT

Not applicable.

TDG

Not applicable.

14.3 TRANSPORT HAZARD CLASS (ES)

DOT

Not applicable.

TDG

Not applicable.

14.4 PACKING GROUP

DOT

Not applicable.

TDG

Not applicable.



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14.5 ENVIRONMENTAL HAZARDS

Not available.

14.6 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not available.

14.7 SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

Section 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

US: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

SARA Title III				
Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Distillates (petroleum), hydrotreated light paraffinic	Not listed.	Not listed.	Not listed.	Not listed.
Distillates (petroleum), hydrotreated heavy paraffinic	Not listed.	Not listed.	Not listed.	Not listed.
Lubricating oils (petroleum), C20- 50, hydrotreated neutral oil-base	Not listed.	Not listed.	Not listed.	Not listed.
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives	Not listed.	Not listed.	Not listed.	Not listed.
Distillates (petroleum), solvent- dewaxed heavy paraffinic	Not listed.	Not listed.	Not listed.	Not listed.
Distillates (petroleum), solvent- dewaxed light paraffinic	Not listed.	Not listed.	Not listed.	Not listed.
Isooctadecanoic acid, reaction products with tetraethylenepentamine	Not listed.	Not listed.	Not listed.	Not listed.
1,3,4-Thiadiazole, 2,5-bis(tert- nonyldithio)-	Not listed.	Not listed.	Not listed.	Not listed.
C14-18 alpha-olefin epoxide, reaction products with boric acid	Not listed.	Not listed.	Not listed.	Not listed.
Distillates (petroleum), hydrotreated middle	Not listed.	Not listed.	Not listed.	Not listed.
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	Not listed.	Not listed.	Not listed.	Not listed.
2-Ethylhexyl methacrylate	Not listed.	Not listed.	Not listed.	Not listed.
Diphenylamine	Not listed.	Not listed.	Not listed.	313

**SAFETY DATA SHEET****State Regulations****California Proposition 65:**

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm (The following chemicals are present in trace amounts: Cadmium, CAS no. 7440-43-9; Lead, CAS no. 7439-92-1; Benzene, CAS no. 71-43-2; Arsenic, CAS no. 7440-38-2; 2-Ethoxyethanol, CAS no. 110-80-5; Trimethyl phosphate, CAS no. 512-56-1; Sulfur dioxide, CAS no. 7446-09-5; Toluene, CAS# no. 108-88-3).

Global Inventories:

Ingredient	Canada DSL/NDSL	USA TSCA
Distillates (petroleum), hydrotreated light paraffinic	DSL	Yes.
Distillates (petroleum), hydrotreated heavy paraffinic	DSL	Yes.
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-base	DSL	Yes.
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives	DSL	Yes.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	DSL	Yes.
Distillates (petroleum), solvent-dewaxed light paraffinic	DSL	Yes.
Isooctadecanoic acid, reaction products with tetraethylenepentamine	DSL	Yes.
1,3,4-Thiadiazole, 2,5-bis(tert-nonyldithio)-	DSL	Yes.
C14-18 alpha-olefin epoxide, reaction products with boric acid	DSL	Yes.
Distillates (petroleum), hydrotreated middle	DSL	Yes.
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	DSL	Yes.
2-Ethylhexyl methacrylate	DSL	Yes.
Diphenylamine	DSL	Yes.

NFPA National Fire Protection Association:

Health:	2
Fire:	1
Reactivity:	0

HMIS-Hazardous Materials Identification System

Health:	2*
Fire:	1
Physical Hazard:	0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65 California Proposition 65

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in



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humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.
1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Date of Preparation: October 10, 2014

Expiry Date: October 10, 2017

Version: 1.0

Revision Date: October 10, 2014

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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End of Safety Data Sheet