

SAFETY DATA SHEET



Product name: Corium Z157
Supersedes date: 2019-04-24
Product No.:

Page: 1/12
Last revised date: 2020-08-26
SDS-ID: GB-EN/3.1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Corium Z157

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

Application: Lubricant.

1.3. Details of the supplier of the safety data sheet

Supplier: EU importer:

Manufacturer: ITW PP & F Korea Limited
13th Fl., Unit B, PAX Tower
609 Eonju-ro, Gangnam-Gu
Seoul, Korea 06108
Tel:+82-2-2088-3560
Fax:+82-2-513-3567
magna@magnagroup.com
www.magnagroup.com

1.4. Emergency telephone number

Emergency telephone: -NHS: 111

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP: Aerosol 1;H222,H229
Eye Irrit. 2A;H319
STOT SE 3;H336

2.2. Label elements



Danger

Contains:

Acetone
Propan-2-ol

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.
P260	Do not breathe vapour/spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P410/412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501	Dispose of contents/container as hazardous waste.

2.3. Other hazards

Other: When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Aerosol containers can explode when heated, due to excessive pressure build-up. Degreasing to skin. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

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CLP:

%:	CAS-No.:	EC No.:	REACH Reg. No:	Chemical name:	Hazard classification:	Notes:
30-50	106-97-8	203-448-7	01-2119474691-32-XXXX	Butane	Flam. Gas 1;H220 Press. Gas Liquefied gas;H280	
10-30	67-64-1	200-662-2	01-2119471330-49-XXXX	Acetone	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336 EUH066	
<20	74-98-6	200-827-9	01-2119457558-25-XXXX	Propane	Flam. Gas 1;H220 Press. Gas Liquefied gas;H280	
0-10	67-63-0	200-661-7	01-2119457558-25-XXXX	Propan-2-ol	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	

Notes: Butane Contains: 1,3-Butadien < 0,1%

References: The full text for all hazard statements is displayed in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Inhalation: Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. If irritation persists: Seek medical attention and bring along these instructions.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Rinse nose, mouth and throat with water. Get medical attention.

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

Symptoms/effects: Symptoms like headache, fatigue and nausea may appear.

4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Do not use water jet.

Cool containers exposed to heat with water spray and remove container, if no risk is involved.

5.2. Special hazards arising from the substance or mixture

Specific hazards: The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Aerosol containers can explode when heated, due to excessive pressure build-up.
Fire in closed areas should only be extinguished by trained personnel.

5.3. Advice for firefighters

Protective equipment for fire-fighters: Use air-supplied respirator and full protective clothing during fire fighting.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not smoke or use open fire, or other sources of ignition. Follow precautions for safe handling described in this safety data sheet.

6.2. Environmental precautions

Environmental precautions: Aerosol containers should not be dumped in nature.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Remove sources of ignition. Beware of the explosion danger. Collect with absorbent, non-combustible material into suitable containers. Waste mixtures containing propane/butane may not enter into drains or sewers where vapours could accumulate and ignite. Ventilate well.

6.4. Reference to other sections

References: For personal protection, see section 8.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Avoid inhalation of aerosols and contact with skin and eyes. Observe good chemical hygiene practices.

Technical measures: Do not smoke or use open fire or other sources of ignition.

Technical precautions: Provide adequate ventilation.
Provide easy access to water supply or an emergency shower.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: Follow the rules for storage of flammable products.

Storage conditions: Protect from freezing and direct sunlight. Store at temperature below 50°C. Store in tightly closed original container in a well-ventilated place.
Do not store near heat sources or expose to high temperatures. Protect against direct sunlight.

7.3. Specific end use(s)

Specific use(s): Lubricant.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>		<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
67-63-0	Propan-2-ol	-	400 ppm	999 mg/m3	TWA	-	EH40
		-	500 ppm	1250 mg/m3	STEL	15min	
67-64-1	Acetone	-	500 ppm	1210 mg/m3	TWA	-	EH40
		-	1500 ppm	3620 mg/m3	STEL	15min	
106-97-8	Butane	-	600 ppm	1450 mg/m3	TWA	Carc	EH40
		-	750 ppm	1810 mg/m3	STEL	Carc; 15min	

Notes: EH40: EH40/2005.

8.2. Exposure controls

<u>Engineering measures:</u>	Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours and spray mist.
<u>Personal protection:</u>	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<u>Respiratory equipment:</u>	In case of inadequate ventilation use suitable respirator.
<u>Hand protection:</u>	Risk of contact: Wear protective gloves. Nitrile gloves are recommended. Breakthrough time: > 4h; Thickness: > 0.3 mm The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
<u>Eye protection:</u>	Use eye protection.
<u>Skin protection:</u>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<u>Hygiene measures:</u>	Wash hands after handling. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.
<u>Environmental Exposure Controls:</u>	Not available.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Aerosol.
Colour: Black.
Odour: Solvent.
Odour threshold: No data available.
pH: No data available.
Melting point / freezing point: No data available.
Boiling point: <0°C
Flash point: <0°C
Evaporation rate: No data available.
Flammability (solid, gas): Extremely flammable.
Explosive limits No data available.
Vapour pressure: No data available.
Vapour density: No data available.
Relative density: 0.9
Solubility: Solvent.
Partition coefficient (n-octanol/water): No data available.
Auto-ignition temperature (°C): No data available.
Decomposition temperature (°C): No data available.
Viscosity: No data available.
Explosive properties: Pressurised container: May burst if heated.
Oxidising properties: No data available.

9.2. Other information

Other data: No data available.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: None under normal conditions.

10.2. Chemical stability

Stability: Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous Reactions: In use, may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

Conditions to avoid Direct sunlight. Heat, sparks, flames.

10.5. Incompatible materials

Incompatible materials: Strong oxidising substances, strong acids and strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products: None under normal conditions. Thermal decomposition will evolve toxic vapours. Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Causes serious eye irritation.

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

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: May cause drowsiness or dizziness.

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.

Inhalation: Vapours and spray mist may irritate throat and respiratory system and cause coughing. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

Skin contact: Degreasing. Prolonged contact may cause redness, irritation and cracking.

Eye contact: Irritating and may cause redness and pain.

Ingestion: May cause irritation. May be absorbed in the body and cause dizziness, nausea and vomiting.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Not classified as dangerous to the environment.

12.2. Persistence and degradability

Degradability: There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: No data available.

12.6. Other adverse effects

Other adverse effects: The product contains volatile, organic compounds which have a photochemical ozone creation potential.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Waste is classified as hazardous waste. Do not puncture or incinerate even when empty. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

Waste from residues: Used cloths, etc. EWC-code:15 02 02

Contaminated packaging: EWC-code:15 01 10
Empty aerosol containers before disposal.

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SECTION 14: TRANSPORT INFORMATION

The product is covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

UN-No: 1950

14.2. UN proper shipping name

Proper Shipping Name: AEROSOLS

14.3. Transport hazard class(es)

Class: ADR/RID: 2
IMDG: 2.1
IATA: 2.1

14.4. Packing group

PG: -

14.5. Environmental hazards

Marine pollutant: No.

Environmentally Hazardous substance: No.

14.6. Special precautions for user

Special precautions: No data available.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk: No data available.

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SECTION 15: REGULATORY INFORMATION

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

Special provisions: As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

National regulation: Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
EH40/2005, Workplace exposure limits 2005, with amendments.
The Aerosol Dispensers Regulations 2009 (SI 2824), with amendments.
The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments.
The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2. Chemical Safety Assessment

CSA status: No data available.

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SECTION 16: OTHER INFORMATION

For restrictions on use see section 15.

The following sections contain revisions or new statements: 9.

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The Corium Trade Mark is the property of ITW Inc., and is used under license by ITW PP & F Korea Limited.

Abbreviations and acronyms used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.

Key literature references and sources for data: None.

Additional information: Classification according to Regulation (EC) No. 1272/2008: Calculation method.

Wording of H-statements:

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.
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