

SAFETY DATA SHEET



Product name: Corium Z128
Supersedes date: 2016-04-30
Product No.:

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Last revised date: 2020-04-30
SDS-ID: GB-EN/3.0

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

1.1. Product identifier

Product name: Corium Z128

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

Identified use(s): Grease.

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

Further information can be obtained from: magna@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 - Skin Irrit. 2;H315 - Asp. Tox. 1;H304 - Aquatic Chronic 2;H411

2.2. Label elements



Danger

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H411	Toxic to aquatic life with long lasting effects.
P280	Wear protective clothing, gloves, eye and face protection.
P273	Avoid release to the environment.
P210	Keep away from open flames and hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

2.3. Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product contains: mineral oil,organic solvent and propellants.

Only classified substances above threshold limits or substances with an exposure limit are shown.
All substances in the product are either registered or exempt from registration under REACH.

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CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No.:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
30-60	106-97-8	203-448-7	-	Butane	Flam. Gas 1;H220 Press. Gas	C; U
10-15	74-98-6	200-827-9	-	Propane	Flam. Gas 1;H220 Press. Gas	U
10-20	64742-54-7	265-157-1	-	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil- unspecified	-	L
5-10	7440-50-8	231-159-6	-	Copper	Aquatic Acute 1;H400 Aquatic Chronic 3;H412	
5-10	108-87-2	203-624-3	-	Methylcyclohexane	Flam. Liq. 2;H225 Asp. Tox. 1;H304 Skin Irrit. 2;H315 STOT SE 3;H336 Aquatic Chronic 2;H411	
1-5	589-34-4	209-643-3	-	3-Methylhexane	Flam. Liq. 2;H225 Asp. Tox. 1;H304 Skin Irrit. 2;H315 STOT SE 3;H336 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	C
1-5	591-76-4	209-730-6	-	2-Methylhexane	Flam. Liq. 2;H225 Asp. Tox. 1;H304 Skin Irrit. 2;H315 STOT SE 3;H336 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	C
1-5	2452-99-5	219-520-6	-	1,2-Dimethylcyclopentane	Flam. Liq. 2;H225 Skin Irrit. 2;H315 Eye Irrit. 2;H319	
0,1-<1	142-82-5	205-563-8	-	Heptane	Flam. Liq. 2;H225 Asp. Tox. 1;H304 Skin Irrit. 2;H315 STOT SE 3;H336 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	C

Notes: L: DMSO < 3% (IP 346)

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

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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: Immediately rinse mouth and drink plenty of water. Call an ambulance. Bring along these instructions. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure.

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

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

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

Medical attention/treatments: Treat symptomatically.

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 as an extinguisher, as this will spread the fire. 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: Aerosol containers can explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

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

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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. Do not allow to enter drains, sewers or watercourses.

6.4. Reference to other sections

References: For personal protection, see section 8.
For waste disposal, see section 13.

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 rules for flammable liquids.

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

7.3. Specific end use(s)

Specific use(s): Not relevant.

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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>
142-82-5	n-Heptane	-	500 ppm	2085 mg/m3	TWA	- EH40
106-97-8	Butane	-	600 ppm	1450 mg/m3	TWA	Carc EH40
		-	750 ppm	1810 mg/m3	STEL	Carc; 15min
7440-50-8	Copper, dusts and mists	Cu		1 mg/m3	TWA	- EH40
		-		2 mg/m3	STEL	15min
7440-50-8	Copper, fume	-		0.2 mg/m3	TWA	- EH40

Notes: EH40: EH40/2005.

8.2. Exposure controls

Engineering measures:

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours and spray mist.

Personal protection:

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment:

In case of inadequate ventilation use suitable respirator.

Hand protection:

Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection:

Risk of contact: Wear goggles/face shield.

Skin protection:

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures:

Wash hands after handling.

Environmental Exposure Controls:

Not available.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: aerosol/liquid
Odour: organic solvents
Odour threshold: Not available.
pH: Not available.
Melting point / freezing point: Not available.
Boiling point: <0°C
Flash point: <0°C
Evaporation rate: Not available.
Explosive limits Not available.
Vapour pressure: Not available.
Vapour density: Not available.
Relative density: 0.92
Solubility: Not available.
Partition coefficient (n-octanol/water): Not available.
Auto-ignition temperature (°C): Not available.
Decomposition temperature (°C): Not available.
Viscosity: Not available.
Oxidising properties: Not available.

9.2. Other information

Other data: Not available.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: None known.

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. Keep away from heat, sparks and open flame.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Hazardous decomposition products: When heated and in case of fire, carbon monoxide, carbon dioxide and low-molecular hydrocarbons may be formed.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

<u>Acute Toxicity (Oral):</u>	Based on available data, the classification criteria are not met.
<u>Acute Toxicity (Dermal):</u>	Based on available data, the classification criteria are not met.
<u>Acute Toxicity (Inhalation):</u>	Based on available data, the classification criteria are not met.
<u>Skin Corrosion/Irritation:</u>	Causes skin irritation.
<u>Serious eye damage/irritation:</u>	Based on available data, the classification criteria are not met.
<u>Respiratory or skin sensitisation:</u>	Based on available data, the classification criteria are not met.
<u>Germ cell mutagenicity:</u>	Based on available data, the classification criteria are not met.
<u>Carcinogenicity:</u>	Based on available data, the classification criteria are not met.
<u>Reproductive Toxicity:</u>	Based on available data, the classification criteria are not met.
<u>STOT - Single exposure:</u>	Based on available data, the classification criteria are not met.
<u>STOT - Repeated exposure:</u>	Based on available data, the classification criteria are not met.
<u>Aspiration hazard:</u>	May be fatal if swallowed and enters airways.
<u>Inhalation:</u>	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.
<u>Skin contact:</u>	Irritating and degreasing.
<u>Eye contact:</u>	Direct contact may irritate.
<u>Ingestion:</u>	May cause nausea, headache, dizziness and intoxication. Low order of acute toxicity, but aspiration following ingestion and vomiting may cause severe and potentially fatal chemical pneumonitis.
<u>Specific effects:</u>	Frequent inhalation of even small concentrations may cause irritability, fatigue and memory failure and eventually permanent damage to the nervous system, including the brain.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: The product is toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Copper:
M-factor (acute): 1

2-Methylhexane:
M-factor (acute): 1
M-factor (chronic): 1

3-Methylhexane:
M-factor (acute): 1
M-factor (chronic): 1

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: This product does not contain any PBT or vPvB substances.

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 11
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, FLAMMABLE.

14.3. Transport hazard class(es)

Class: 2.1

14.4. Packing group

PG: -

14.5. Environmental hazards

Marine pollutant: Yes.

Environmentally Hazardous substance: Yes.

14.6. Special precautions for user

Special precautions: None known.

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

Transport in bulk: Not relevant.

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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 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.
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.
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 chemical safety assessment has been carried out.

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SECTION 16: OTHER INFORMATION

For restrictions on use see section 15.

The following sections contain revisions or new statements: 2, 3, 4, 8, 11, 12, 13.

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

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.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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, Artens Allé 5, DK-2970 Hørsholm, Denmark.
www.dhigroup.com.
