

SAFETY DATA SHEET



Product name: CORIUM 78
Supersedes date: 2016-04-30
Product No.:

Page: 1/13
Last revised date: 2019-01-11
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 78

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

Application: Paint.

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
www.magnagroup.com

Further information can be obtained from: magna@magnagroup.com

1.4. Emergency telephone number

Emergency telephone: NHS: 111

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP: Aerosol 1;H222,H229
Asp. Tox. 1;H304
Skin Irrit. 2;H315
STOT SE 3;H336
Repr. 2;H361
STOT RE 1;H372
Aquatic Chronic 2;H411

SAFETY DATA SHEET

Product name:	CORIUM 78	Page:	2/13
Supersedes date:	2016-04-30	Last revised date:	2019-01-11
Product No.:		SDS-ID:	GB-EN/3.0

2.2. Label elements

According to the current regulations, the product must be classified with Asp. Tox. 1;H304 in its liquid state. As the product is marketed in aerosol containers, it is possible to except the product from labelling with Asp. Tox. 1;H304.



Danger

Contains: Acetone, Toluene, Solvent naphtha (petroleum), medium aliph.; Straight run kerosine, Naphtha (petroleum), hydrodesulfurized heavy, Heptane

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
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.
P202	Do not handle until all safety precautions have been read and understood.
P410/412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P260	Do not breathe vapour/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container in accordance with local regulations.

2.3. Other hazards

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

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. The product contains organic solvents. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. The product contains volatile, organic compounds which have a photochemical ozone creation potential.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SAFETY DATA SHEET

Product name:	CORIUM 78	Page:	3/13
Supersedes date:	2016-04-30	Last revised date:	2019-01-11
Product No.:		SDS-ID:	GB-EN/3.0

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.

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>
45-55	115-10-6	204-065-8	-	Dimethyl ether	Flam. Gas 1;H220 Press. Gas	U
5-15	108-88-3	203-625-9	-	Toluene	Flam. Liq. 2;H225 Repr. 2;H361d Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315 STOT SE 3;H336	
5-15	67-64-1	200-662-2	-	Acetone	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336 EUH066	
5-15	64742-82-1	265-185-4	-	Naphtha (petroleum), hydrodesulfurized heavy	Skin Irrit. 2;H315 STOT RE 1;H372 Asp. Tox. 1;H304	
1-10	7429-90-5	231-072-3	-	Aluminium powder (stabilised)	Water-react. 2;H261 Flam. Sol. 1;H228	T
1-10	7440-66-6	231-175-3	-	Zinc powder, zinc dust	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	
1-10	64742-16-1	265-116-8	-	Petroleum resins	Skin Irrit. 2;H315	
1-3	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
1-3	64742-88-7	265-191-7	-	Solvent naphtha (petroleum), medium aliph.; Straight run kerosine	Flam. Liq. 3;H226 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H336 STOT RE 1;H372 Asp. Tox. 1;H304 Aquatic Chronic 2;H411	
0.1-1	1330-20-7	215-535-7	-	Xylene	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315	C

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

SAFETY DATA SHEET

Product name: CORIUM 78
Supersedes date: 2016-04-30
Product No.:

Page: 4/13
Last revised date: 2019-01-11
SDS-ID: GB-EN/3.0

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.

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.

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.

SAFETY DATA SHEET

Product name:	CORIUM 78	Page:	5/13
Supersedes date:	2016-04-30	Last revised date:	2019-01-11
Product No.:		SDS-ID:	GB-EN/3.0

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): No information available.

SAFETY DATA SHEET

Product name: CORIUM 78
Supersedes date: 2016-04-30
Product No.:

Page: 6/13
Last revised date: 2019-01-11
SDS-ID: GB-EN/3.0

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>
67-64-1	Acetone	-	500 ppm	1210 mg/m3	TWA	- EH40
		-	1500 ppm	3620 mg/m3	STEL	15min
108-88-3	Toluene	-	50 ppm	191 mg/m3	TWA	Sk EH40
		-	100 ppm	384 mg/m3	STEL	Sk; 15min
115-10-6	Dimethyl ether	-	400 ppm	766 mg/m3	TWA	- EH40
		-	500 ppm	958 mg/m3	STEL	15min
142-82-5	n-Heptane	-	500 ppm	2085 mg/m3	TWA	- EH40
1330-20-7	Xylene, o-, m-, p-or mixed isomers	-	50 ppm	220 mg/m3	TWA	Sk EH40
		-	100 ppm	441 mg/m3	STEL	Sk; 15min
7429-90-5	Aluminium metal, respirable dust	-		4 mg/m3	TWA	- EH40
7429-90-5	Aluminium metal, inhalable dust	-		10 mg/m3	TWA	- EH40

Notes: EH40: EH40/2005.
Sk: Can be absorbed through skin.

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.

Hand protection: Risk of contact: Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Other types of gloves can be recommended by the glove supplier.

Eye protection: 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.

SAFETY DATA SHEET

Product name: CORIUM 78
Supersedes date: 2016-04-30
Product No.:

Page: 7/13
Last revised date: 2019-01-11
SDS-ID: GB-EN/3.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: aerosol/liquid
Colour: Silver.
Odour: Aromatic.
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.
Flammability (solid, gas): 27.0 / 3.4% (Dimethyl ether)
Explosive limits Not available.
Vapour pressure: Not available.
Vapour density: Not available.
Relative density: 0.88
Solubility: Insoluble in water.
Partition coefficient (n-octanol/water): 2.73 (Toluene)
Auto-ignition temperature (°C): Not available.
Decomposition temperature (°C): Not available.
Viscosity: Not available.
Explosive properties: Not available.
Oxidising properties: Not available.

9.2. Other information

Other data: Not available.

SAFETY DATA SHEET

Product name:	CORIUM 78	Page:	8/13
Supersedes date:	2016-04-30	Last revised date:	2019-01-11
Product No.:		SDS-ID:	GB-EN/3.0

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: Carbon monoxide, carbon dioxide and nitrogen oxides on thermal decomposition.

SAFETY DATA SHEET

Product name:	CORIUM 78	Page:	9/13
Supersedes date:	2016-04-30	Last revised date:	2019-01-11
Product No.:		SDS-ID:	GB-EN/3.0

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>	Suspected of damaging fertility or the unborn child.
<u>STOT - Single exposure:</u>	May cause drowsiness or dizziness.
<u>STOT - Repeated exposure:</u>	Causes damage to organs through prolonged or repeated exposure.
<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>	Degreasing. Contains toluene and xylene which may penetrate the skin. Prolonged contact may cause redness, irritation and cracking.
<u>Eye contact:</u>	Vapour or spray may cause temporary (reversible) eye damage.
<u>Ingestion:</u>	May cause nausea, headache, dizziness and intoxication.
<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.

SAFETY DATA SHEET

Product name:	CORIUM 78	Page:	10/13
Supersedes date:	2016-04-30	Last revised date:	2019-01-11
Product No.:		SDS-ID:	GB-EN/3.0

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Zinc oxide:

M-Factor: 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 10
Empty aerosol containers before disposal.

SAFETY DATA SHEET

Product name: CORIUM 78
Supersedes date: 2016-04-30
Product No.:

Page: 11/13
Last revised date: 2019-01-11
SDS-ID: GB-EN/3.0

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: No.

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.

SAFETY DATA SHEET

Product name:	CORIUM 78	Page:	12/13
Supersedes date:	2016-04-30	Last revised date:	2019-01-11
Product No.:		SDS-ID:	GB-EN/3.0

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: Not relevant.

SECTION 16: OTHER INFORMATION

For restrictions on use see section 15.

The following sections contain revisions or new statements: 2, 3, 9, 11, 12, 16

Corium Industrial Chemicals
13th Fl., Unit B, PAX Tower,
609, Eonju-Ro, Gangnam-Gu, Korea 06108
Tel : +82-2-2088-3560
Fax : +82-2-513-3567
Web site : www.magnagroup.com

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

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

Wording of H-statements:

SAFETY DATA SHEET

Product name:	CORIUM 78	Page:	13/13
Supersedes date:	2016-04-30	Last revised date:	2019-01-11
Product No.:		SDS-ID:	GB-EN/3.0

EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H229	Pressurised container: May burst if heated.
H261	In contact with water releases flammable gases.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
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.

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.
