

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 7015 Adhesion Promoter

Creation date: 12.06.2023, Revision: 24.11.2023, Version: 10.0

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

1.1 Product identifier

Product name

7015 Adhesion Promoter

UFI:

T9EM-50EG-W00N-63MQ



<https://my.chemius.net/p/Ve0wh8/en/pd/en>

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

Relevant identified uses

No information.

Uses advised against

No information.

1.3 Details of the supplier of the safety data sheet

Supplier

SILCO d.o.o.
Sentrupert 5a
3303 Gomilsko, Slovenia
+386 3 703 3180
msds@silco.si

1.4 Emergency Telephone Number

Emergency

112

Supplier

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 2; H225 Highly flammable liquid and vapour.
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.
Acute Tox. 4; H312 Harmful in contact with skin.
Skin Irrit. 2; H315 Causes skin irritation.
Eye Irrit. 2; H319 Causes serious eye irritation.
Acute Tox. 4; H332 Harmful if inhaled.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

silco[®]

Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

STOT SE 3; H335 May cause respiratory irritation.

STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: DANGER

H225 Highly flammable liquid and vapour.

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.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with national regulation.

Contains:

xylene

ethylbenzene

2.3 Other hazards

PBT/vPvB

No information.

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Additional information

No information.

Section 3: Composition/information on ingredients

3.1 Substances

For mixtures see 3.2.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

3.2 Mixtures

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
xylene	1330-20-7 215-535-7 601-022-00-9	80-90	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332	/
ethyl benzene	100-41-4 202-849-4 601-023-00-4	15-20	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373	/
chlorinated polyolefin	68609-36-9 - -	2.5-5	/	/
epoxidized oil	61789-01-3 263-024-2 -	0.1-1	/	/
chlorobenzene	108-90-7 203-628-5 602-033-00-1	0.1-1	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Acute Tox. 4; H332 Aquatic Chronic 2; H411	/
aluminum powder (pyrophoric)	7429-90-5 231-072-3 013-001-00-6	0.01-0.1	Pyr. Sol. 1; H250 Water-react. 2; H261	/
Naphtha (petroleum), hydro treated heavy	64742-48-9 265-150-3 -	0.01-0.1	Asp. Tox. 1; H304	/

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits
Low boiling point naphthalene - unspecified	64742-95-6	0.01-	Asp. Tox. 1; H304	/
	265-199-0	0.1	Muta. 1B; H340	
	649-356-00-4		Carc. 1B; H350	

Notes for substances

C Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers.

In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

P The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes.

Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

Section 4: First aid measures

4.1 Description of first aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. When it is suspected, that there may still be harmful vapours/fumes present in the air, respiratory protection (mask; self contained breathing apparatus) must be used. Wash contaminated clothing with water before removing or use gloves.

Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Consult a physician.

Following eye contact

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Immediately flush eyes with running water, keeping eyelids apart. Seek medical help.

Following ingestion

Do not induce vomiting! Aspiration hazard if swallowed. Can enter lungs and cause damage. If vomiting occurs, the patient should hold the head lower than the hips, because it reduces the possibility of aspiration. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

4.2 Most important symptoms and effects, both acute and delayed

Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation. Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Harmful.

Following skin contact

Itching, redness, pain. Harmful.

Following eye contact

Redness, tearing, pain.

Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area. Aspiration into the lungs causes coughing, shortness of breath and may lead to chemical pneumonia.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. After the product has been ingested vomiting can cause aspiration into the lungs. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

5.3 Advice for firefighters

Protective actions

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. Cool containers at risk with water spray. If possible remove containers from endangered area.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

Additional information

No information.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

No information.

Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

For emergency responders

Use personal protective equipment.

6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up

For containment

Stem the spill if this does not pose risks.

For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use only explosion-proof instruments and equipment. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

Other information

No information.

6.4 Reference to other sections

See also sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Protective measures

Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air.

Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

Other measures

No information.

Advice on general occupational hygiene

Use good personal hygiene practices - wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Protect from open fire. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Keep away from sources of ignition - no smoking.

Packaging materials

Store only in original container.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

Storage class

No information.

Further information on storage conditions

No information.

7.3 Specific end use(s)

Recommendations

No information.

Industrial sector specific solutions

No information.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	mg/m ³	ml/m ³	Short-term value mg/m ³	Short-term value ml/m ³	Remark	Biological Tolerance Values
Aluminium alkyl compounds	2	/	/	/	/	/
Aluminium salts, soluble	2	/	/	/	/	/
Ethylbenzene (100-41-4)	441	100	552	125	Sk	/
Xylene, o-,m-,p - or mixed isomers (1330-20-7)	220	50	441	100	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift 650 mmol methyl hippuric acid/mol creatinine in urine - Post shift
Aluminium metal inhalable dust (7429-90-5)	10	/	/	/	/	/

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	mg/m ³	ml/m ³	Short-term value mg/m ³	Short-term value ml/m ³	Remark	Biological Tolerance Values
Aluminium metal respirable dust (7429-90-5)	4	/	/	/	/	/
Chlorobenzene (108-90-7)	4.7	1	14	3	Sk	5 mmol 4-chlorocatechol/mol creatinine in urine - Post shift

Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	value
aluminium powder (pyrophoric)	Worker	inhalation	long term systemic effects	/	3.72 mg/m ³
aluminium powder (pyrophoric)	Worker	inhalation	long term local effects	/	3.72 mg/m ³
aluminium powder (pyrophoric)	Consumer	oral	long term systemic effects	/	7.9 mg/kg bw/day
Low boiling point naphtha - unspecified	Consumer	oral	long term systemic effects	/	mg/kg
Low boiling point naphtha - unspecified	Consumer	inhalation	long term systemic effects	/	mg/m ³

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Type	Exposure route	exp. frequency	Remark	value
Low boiling point naphtha - unspecified	Consumer	dermal	long term systemic effects	/	mg/kg
Low boiling point naphtha - unspecified	Worker	inhalation	long term systemic effects	/	mg/m ³
Low boiling point naphtha - unspecified	Worker	dermal	long term systemic effects	/	mg/kg
ethylbenzene	Worker	inhalation	long term systemic effects	/	77 mg/m ³
ethylbenzene	Worker	inhalation	short term local effects	/	293 mg/m ³
ethylbenzene	Worker	dermal	long term systemic effects	/	180 mg/kg bw/day
ethylbenzene	Consumer	inhalation	long term systemic effects	/	15 mg/m ³
ethylbenzene	Consumer	oral	long term systemic effects	/	1.6 mg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	value
Low boiling point naphtha - unspecified	fresh water	/	mg/L
Low boiling point naphtha - unspecified	marine water	/	mg/L
Low boiling point naphtha - unspecified	fresh water sediment	/	mg/kg
Low boiling point naphtha - unspecified	marine water sediment	/	mg/kg
ethylbenzene	fresh water	/	0.1 mg/L
ethylbenzene	water, intermittent release	/	0.1 mg/L
ethylbenzene	marine water	/	0.01 mg/L
ethylbenzene	water treatment plant	/	9.6 mg/L

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Exposure route	Remark	value
ethylbenzene	fresh water sediment	dry weight	13.7 mg/kg
ethylbenzene	marine water sediment	dry weight	1.37 mg/kg
ethylbenzene	soil	dry weight	2.68 mg/kg
ethylbenzene	secondary poisoning	food	0.02 g/kg

8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

Personal protective equipment

Eye and face protection

Safety glasses with side protection (BS EN ISO 16321-1:2022).

Hand protection

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The penetration time is determined by the protective glove manufacturer and must be observed.

Appropriate materials

Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

Thermal hazards

No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

silver colourless

Odour

characteristic

Important health, safety and environmental information

Odour threshold	No information.
Melting point/Freezing point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	30 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	substance/mixture is non-soluble (in water) (Does not apply)
Viscosity	No information.
Solubility	No information.
Partition coefficient	No information.
Vapour pressure	No information.
Density and/or relative density	Density: 0.85 kg/L
Relative vapour density	No information.
Particle characteristics	No information.

9.2 Other information

Solids content	35 g/l
-----------------------	--------

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Weight organic solvents 820 g/l

Explosive properties No information.

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information.

10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

10.5 Incompatible materials

Oxidants.

10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

Section 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
aluminium powder (pyrophoric)	oral	LD ₅₀	rat	/	> 2000 mg/kg	/	/
aluminium powder (pyrophoric)	inhalation	LC ₅₀	rat	/	> 888 mg/m ³	/	/

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Exposure route	Type	Species	Time	value	Method	Remark
aluminium powder (pyrophoric)	inhalation	NOAEC	rat	/	10 mg/m ³	/	/
Low boiling point naphtha - unspecified	oral	LD ₅₀	rat	/	> 6800 mg/kg	/	/
Low boiling point naphtha - unspecified	dermal	LD ₅₀	rabbit	/	> 3400 mg/kg	/	/
Low boiling point naphtha - unspecified	inhalation	LC ₅₀	rat	4 h	> 10.2 mg/l	/	/
ethylbenzene	dermal	LD ₅₀	rabbit	/	17800 mg/kg	/	/
ethylbenzene	oral	LD ₅₀	rat	/	3500 mg/kg	/	/
ethylbenzene	inhalation	LC ₅₀	/	4 h	11 mg/l	/	ATE
Naphtha (petroleum), hydrotreated heavy	oral	LD ₅₀	rat	/	> 5000 mg/kg	/	/
Naphtha (petroleum), hydrotreated heavy	dermal	LD ₅₀	rabbit	/	> 5000 mg/kg	/	/
Naphtha (petroleum), hydrotreated heavy	inhalation	LC ₅₀	rat	4 h	4951 mg/m ³	/	/

Additional information

Harmful if inhaled. Harmful in contact with skin.

(b) Skin corrosion/irritation

For components

Name	Species	Time	result	Method	Remark
Naphtha (petroleum), hydrotreated heavy	/	/	Prolonged and repeated contact can cause dermatitis.	/	/

Additional information

Causes skin and eye irritation.

(c) Serious eye damage/irritation

For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Exposure route	Species	Time	result	Method	Remark
Low boiling point naphtha - unspecified	/	rabbit	24 h	Mild irritating.	/	100 µl
Naphtha (petroleum), hydrotreated heavy	/	/	/	May cause irritation.	/	/

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	result	Method	Remark
Low boiling point naphtha - unspecified	dermal	Guinea pig (male)	6 h	Non sensitising.	OECD 406	24, 48 h; Experimental value
Naphtha (petroleum), hydrotreated heavy	dermal	Guinea pig (male)	6 h	Non sensitising.	Equivalent to OECD 406	24, 48 h; Experimental value

Additional information

The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

For components

Name	Type	Species	Time	result	Method	Remark
Low boiling point naphtha - unspecified	in-vitro mutagenicity	mouse (lymphoma L5178Y)	/	Negative.	OECD 476	experimental value
Low boiling point naphtha - unspecified	in-vitro mutagenicity	Bacteria (<i>S. typhimurium</i>)	/	Negative.	OECD 471 (EU B. 12/13)	experimental value
Low boiling point naphtha - unspecified	in-vivo mutagenicity	rat (male/female)	28 days	Negative.	OECD 475	5 days a week, 6 hours per day; experimental value

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Type	Species	Time	result	Method	Remark
Naphtha (petroleum), hydrotreated heavy	in-vitro mutagenicity	mouse (lymphoma L5178Y)	/	Negative with metabolic activation, negative without metabolic activation.	Equivalent to OECD 476	experimental value
Naphtha (petroleum), hydrotreated heavy	in-vitro mutagenicity	Bacteria (<i>S. typhimurium</i>)	/	Negative with metabolic activation, negative without metabolic activation.	Equivalent to OECD 471	experimental value
Naphtha (petroleum), hydrotreated heavy	in-vitro mutagenicity	Yeast (<i>S. cerevisiae</i>)	/	Negative with metabolic activation, negative without metabolic activation.	Equivalent to OECD 471	experimental value
Naphtha (petroleum), hydrotreated heavy	in-vivo mutagenicity	rat (male/female)	4 weeks	Negative.	EPA OTS 798.5395	5 days a week, 6 hours per day; experimental value
Naphtha (petroleum), hydrotreated heavy	in-vivo mutagenicity	rat (male)	5 days	Negative.	Equivalent to OECD 475	experimental value

(f) Carcinogenicity

For components

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
Low boiling point naphtha - unspecified	dermal	NOAEL	mouse (male)	102 weeks	0.05 ml	No effect	OECD 451	3 times per week, experimental value

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
Naphth a (petroleum), hydrotr eated heavy	/	/	/	/	/	Negative	OECD 453	read-across

(g) Reproductive toxicity

For components

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
Low boiling point naphtha - unspecified	Developmental toxicity	NOAEL (P/F1)	rat (female; fetus)	20 days	23900 mg/m ³	No effect	OECD 414	every day during gestation; experimental value
Low boiling point naphtha - unspecified	Effect on fertility	NOAEC (P/F1)	rat (male/female)	13 weeks	≥ 20000 mg/m ³	No effect	OECD 416	6h/day, 7 days/week, Experimental value
Low boiling point naphtha - unspecified	Effect on fertility	NOAEL (F1)	rat (male/female)	11 weeks	24700 mg/m ³	No effect	OECD 421	6h/day, 7 days/week, Experimental value
Naphtha (petroleum), hydrotreated heavy	Developmental toxicity	NOAEL	rat (female)	20 days	23900 mg/m ³	/	Equivalent to OECD 414	6 h per day, experimental value

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
Napht ha (petroleum), hydrotreated heavy	Effect on fertility	NOAEC (P/F1)	rat (male/female)	23 weeks	$\geq 20000 \text{ mg/m}^3$ (air)	/	Equivalent to OECD 416	6h/day, 7 days/week, Experimental value
Napht ha (petroleum), hydrotreated heavy	Effect on fertility	NOAEL (P/F1)	rat (male/female)	9 weeks	24700 mg/m^3 (air)	/	Equivalent to OECD 421	6h/day, 7 days/week, Experimental value

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

For components

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Remark
Low boiling point napht ha - unspecified	inhalation	-	/	/	/	/	/	Category 3	/	Respiratory irritant
Low boiling point napht ha - unspecified	inhalation	-	/	/	/	/	/	Category 3	/	Respiratory irritant

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Exposure route	Type	Species	Time	Exposure	organ	value	result	Method	Remark
Naphtha (petroleum), hydro treated heavy	-	-	/	/	/	/	/	Category 3	/	no effect
Naphtha (petroleum), hydro treated heavy	inhalation	/	/	/	/	/	/	Vapours and aerosols of unusually high concentrations (in poorly ventilated or enclosed spaces) may cause respiratory irritation, headache, nausea, vomiting, dizziness, and in extreme cases unconsciousness and even asphyxiation.	/	/

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

No information.

Additional information

May cause damage to organs through prolonged or repeated exposure.

(j) Aspiration hazard

For components

Name	result	Method	Remark
Low boiling point naphtha - unspecified	ASPIRATION HAZARD - Category 1	/	/
Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1	/	/

Additional information

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

Other information

No information.

Section 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
aluminium powder (pyrophoric)	LC ₅₀	> 218.64 mg/L	96 h	fish	<i>Pimephales promelas</i>	ASTM	Semi-Static system, Fresh water, weight evidence GLP
Low boiling point naphtha - unspecified	LC ₅₀	9.2 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
Low boiling point naphtha - unspecified	EC ₅₀	3.2 mg/L	48 h	<i>Daphnia</i>	<i>Daphnia magna</i>	/	/
Low boiling point naphtha - unspecified	ErC ₅₀	2.6 - 2.9 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Type	value	Exposure time	Species	organism	Method	Remark
ethylbenzene	EC ₅₀	2.1 mg/L	48 h	<i>Daphnia</i>	/	/	/
Naphtha (petroleum), hydrotreated heavy	LL/EL/IL ₅₀	> 1000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
Naphtha (petroleum), hydrotreated heavy	LL/EL/IL ₅₀	1000 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
Naphtha (petroleum), hydrotreated heavy	LL/EL/IL ₅₀	> 1000 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
aluminium powder (pyrophoric)	NOEC	> 50 mg/l	96 h	fish	<i>Leuciscus idus</i>	/	/
aluminium powder (pyrophoric)	NOEC	0.169 mg/l	60 days	fish	/	/	/
Low boiling point naphtha - unspecified	LC ₅₀	9.22 mg/l	96 h	fish	<i>Oncorhynchus mykiss</i>	OECD 203	/
Naphtha (petroleum), hydrotreated heavy	NOEL	2.6 mg/l	14 days	fish	<i>Pimephales promelas</i>	OECD 204	semi-static, fresh water, similar product GLP

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Type	value	Exposure time	Species	organism	Method	Remark
Naphtha (petroleum), hydrotreated heavy	NOEL	2.6 mg/l	21 days	crustacea	<i>Daphnia magna</i>	OECD 211	semi-static, fresh water, similar product GLP

12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

For components

Name	Environment	Type / Method	Half Time	Evaluation	Method	Remark
Low boiling point naphtha - unspecified	Air	photodegradation	/	In the air it is quickly oxidized by photochemical reaction.	/	/

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
Low boiling point naphtha - unspecified	biodegradability	/	/	readily biodegradable	/	/
Naphtha (petroleum), hydrotreated heavy	aerobic	/	/	inherently biodegradable	/	/

12.3 Bioaccumulative potential

Partition coefficient

For components

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Name	Media	value	Temperature °C	pH	Concentration	Method
Low boiling point naphtha - unspecified	Octanol-water (log Pow)	> 3	/	/	/	/
Naphtha (petroleum), hydrotreated heavy	Octanol-water (log Pow)	5.8 - 7.6	/	/	/	/

Bioconcentration factor (BCF)

For components

Name	Species	organism	value	Duration	Evaluation	Method	Remark
Low boiling point naphtha - unspecified	BCF	/	10 - 2500	/	/	BCFWIN	Calculated value
Naphtha (petroleum), hydrotreated heavy	BCF	/	10 - 2500	/	high	/	/

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

For components

Name	Air	Water	Soil	Sediment	(Aquatic) Biota	Method	Remark
Low boiling point naphtha - unspecified	/	/	/	/	/	Mackay level 3	Calculated value
Naphtha (petroleum), hydrotreated heavy	/	/	/	/	/	Mackay level 3	Calculated value

Surface tension

No information.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Adsorption/Desorption

For components

Name	Type	Criterion	value	Evaluation	Method	Remark
Low boiling point naphtha - unspecified	Soil	log KOC	1.783 - 2.36	/	PCKOCWIN v1.66	Calculated value
Naphtha (petroleum), hydrotreated heavy	Soil	log KOC	< 2.36	/	/	Calculated value

12.5 Results of PBT and vPvB assessment

No evaluation.

12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

12.7 Other adverse effects

No information.

12.8 Additional information

For product

Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

For components

Low boiling point naphtha - unspecified

Ecological assessment: Toxic to aquatic life with long lasting effects.

Naphtha (petroleum), hydrotreated heavy

Persistence and degradability: - chemical oxygen demand: 3500 mg/g.

Section 13: Disposal considerations

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

Waste codes / waste designations according to LoW

No information.

Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapours.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.





Sewage disposal-relevant information

No information.

Other disposal recommendations

No information.

Section 14: Transport information

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
UN 1263	UN 1263	UN 1263	UN 1263
14.2 UN proper shipping name			
PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)			
3	3	3	3
			
14.4 Packing group			
III	III	III	III
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

ADR/RID	IMDG	IATA	ADN
Limited quantities 5 L Special provisions 163, 367, 650 Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Transport category 3 Tunnel restriction code (D/E) Classification code F1	Limited quantities 5 L EmS F-E, <u>S-E</u> Flash point 30 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y344 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 10 L Packing Instructions (Pkg Inst) 355 Maximum Net Quantity/Package (Max Net Qty/Pkg) 25 L Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 366 Special provisions A3, A72, A192 ERG code 3L	Limited quantities 5 L
14.7 Maritime transport in bulk according to IMO instruments	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

Section 15: Regulatory information

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

EU limit values and category: B(e) 840 g/l. VOC Content: 820 g/l

Ingredients according to Regulation (EC) No 648/2004 on detergents

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

No information.

Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: Other information

Indication of changes

3.2 Mixtures 8.1 Control parameters 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 12.1 Toxicity

Key literature references and sources for data

No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW - see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: **7015 Adhesion Promoter**

Creation date: **12.06.2023**, Revision: **24.11.2023**, Version: **10.0**

IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H250 Catches fire spontaneously if exposed to air.
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.
H332 Harmful if inhaled.
H340 May cause genetic defects.
H350 May cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.