

Aluminium paste with Mineral Spirit and Naphtha solvents



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2015/830)

Version: 3

Version date: 01/09/2017

Language: EN

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

1.1. Product identifier

Product description : Aluminium paste with Mineral Spirit and Naphtha solvents

MSDS code : Alp WS/N

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

Relevant identified uses : Coatings, inks, Packaging, Plastics.

Uses advised against : No use against-indicated identified.

1.3. Details of the supplier of the safety data sheet

Supplier : Name: TOYAL EUROPE.
Street: Route de Lescun.
Postal code / City: 64490ACCOUS.
Telephone: +33 (0)5 59 98 35 35.
Telefax: +33 (0)5 59 98 35 36.
E-mail: Reach@toyal-europe.com.
E-mail (competent person): Reach@toyal-europe.com.

1.4. Emergency Telephone Number

Ireland: +35 (0) 31 837 9964 (medical professionals) +35 (0) 31 809 2166 (public)

Malta: +356 2545 4030

United Kingdom: In England and Wales: dial 111 (NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours (www.gpoutofhours.hscni.net/): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220


South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195

For all information in case of transport accident and other emergencies: Emergency Contact (24h/24) GBK/Infotrac ID 103679 : international (001) 352 323 3500

SECTION 2: Hazards identification


2.1. Classification of the substance or mixture

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

	Classification	Hazard statements	
	STOT SE 3	H336	May cause drowsiness or dizziness.
	Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms	
Signal word	Warning
Product identifiers	-
Hazard Statements	H336 - May cause drowsiness or dizziness. H412 - Harmful to aquatic life with long lasting effects.
Additional information	-
Precautionary Statements - General	-
Precautionary Statements - Prevention	P273 - Avoid release to the environment.
Precautionary Statements - Response	P312 - Call a POISON CENTER/doctor/.../if you feel unwell.

Precautionary Statements - Storage
Precautionary Statements - Disposal

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

2.3. Other hazards

Not available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance	C (%)	Classification	Specific concentration limits	Note
aluminium powder (stabilised) CAS N °:7429-90-5 N ° CE:231-072-3 IDX N °:013-002-00-1 N° REACH : 01-2119529243-45-0203	60% ≤ C ≤ 80%	Flam. Sol. 1; H228 Water-react. 2; H261	-	[1]
Naphtha (petroleum), hydrotreated heavy CAS N °:64742-48-9 N ° CE: 919-857-5 IDX N °:649-327-00-6 No. REACH: 01-2119463258-33-0009	10% ≤ C ≤ 30%	Flam. Liq. 3: H226 Asp. Tox. 1: H304 STOT SE 3: H336	-	-
Solvent naphtha (petroleum), light arom. CAS N °:64742-95-6 N ° CE:918-668-5 IDX N °:649-356-00-4 No. REACH: 01-2119455851-35-XXXX	5% ≤ C < 20%	Flam. Liq. 3: H226 Asp. Tox. 1: H304 STOT SE 3: H335 STOT SE 3: H336 Aquatic Chronic 2: H411	-	-

[1] Substance for which maximum workplace exposure limits are available.

3.2. Mixtures

Not available

3.3. Remark

Not available

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	:	Call a doctor if you feel unwell.
Following inhalation	:	Remove casualty to fresh air and keep warm and at rest. Get medical advice/attention if you feel unwell.
Following skin contact	:	Wash with plenty of soap and water. In case of skin irritation, consult a physician.
Following eye contact	:	After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Following ingestion	:	Immediately call a POISON CENTER/doctor/.... Do NOT induce vomiting.

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

Symptoms	:	No information available.
Effects	:	No information available.

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

Special treatment	:	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Dry sand. Carbon dioxide (CO ₂). Dry powder extinguishing for metal (D). ABC-powder.
Unsuitable extinguishing media	:	Water. Alcohol foam, Halocarbons.

5.2. Special hazards arising from the substance or mixture

In case of contact with an acid or a base (or with water), aluminum powders react and potentially create hydrogen. Do not inhale vapors and fumes.

5.3. Advice for firefighters

Use appropriate respiratory protection. Wear suitable protective clothing. If feasible from a security standpoint, move undamaged containers from the immediate danger zone. Move undamaged containers from immediate hazard area if it can be done safely.

Special protective equipment for firefighters

In case of fire: Wear suitable breathing apparatus and protective clothing. If feasible from a security standpoint, move undamaged containers from the immediate danger zone.

5.4. Additional information

Not available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Evacuate area.

6.2. Environmental precautions

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid release to the environment. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Clean mechanically. Use an absorbent material such as: absorbing material, organic material, sand. Clean contaminated objects and areas thoroughly observing environmental regulations.

For cleaning up

Clean contaminated area immediately. Clean mechanically. Use an absorbent material such as: absorbing material, organic material, sand.

6.4. Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13.

6.5. Additional information

Not available

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. Use personal protective equipment as required. Wash contaminated clothing prior to re-use. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not use empty containers before they have been cleaned. Before transfer operations, ensure that the containers do not contain incompatible residual materials.

Advices on general occupational hygiene

Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container in a well-ventilated place. Keep in a cool place. Protect from moisture. Prevent contact with water. Do not store with oxidizing agents, acids and bases, nitrates, alcohols, halogenated hydrocarbons and halogens. Keep in a cool, well-ventilated place. Keep container tightly closed and in a well-ventilated place.

Advice on joint storage

Keep away from food, drink and animal feedingstuffs.

7.3. Specific end uses

No particular use.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Occupational exposure limits

Substance	Value	Unit	Type
aluminium powder (stabilised) CAS: 7429-90-5 (GB)	4	mg/m ³	Exposure limit (8 hours)
aluminium powder (stabilised) CAS: 7429-90-5 (GB)	10	mg/m ³	Exposure limit (8 hours)
aluminium powder (stabilised) CAS: 7429-90-5 (IE)	1	mg/m ³	Exposure limit (8 hours)

8.2. Exposure controls

Appropriate engineering controls

Local ventilation may be necessary to prevent airborne contaminants exceed their exposure limits.

Personal protection equipment

Eye/face protection	:	Suitable eye protection: Eye glasses with side protection.
Skin protection	:	Hand protection: Suitable gloves type: Wear waterproof gloves and chemical resistant. Protective gloves in accordance with EN420 or EN374 minimum. Gloves must be changed after every contamination or degradation. Hand protection: Suitable material: Cotton, Leather. Body protection: Suitable protective clothing: Wear suitable protective clothing. Body protection: Wear suitable protective clothing.
Respiratory protection	:	Respiratory protection necessary at: Suitable masks should be worn if exposed to concentrations exceeding the permissible exposure limits. Respiratory protection in accordance with EN149 minimum. Suitable respiratory protection apparatus: Respiratory filter: FP2 / FFP3 (EN149: 2001).

Environmental exposure controls
Avoid release to the environment.

8.3. Additional information

Not available

SECTION 9: Physical and chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid pasty
Colour:	Silver Grey
Odour:	Solvent
Odour threshold:	Not available
PH:	Not available
Melting point/freezing point:	- 20 ° C (heavy naphtha) - 660 ° C (aluminum)
Initial boiling point and boiling range:	130-210 ° C (naphtha) - 2467 ° C (aluminum) °C
Flash point:	> 40 ° C (naphtha - Closed Cup) °C
Evaporation rate:	Not applicable
Flammability:	The product is not highly flammable according to Regulation (EC) No 440/2008 according to the EC method A.10 (flammable solids).
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	0.3 - 0.6 kPa (heavy naphtha)
Vapour density:	Not applicable
Relative density:	0.75 - 0.95 g / cm ³ (naphtha - 15 ° C)
Solubility(ies):	Insoluble (heavy naphtha) Not applicable
Partition coefficient: n-octanol/water (Log KOC):	Not available
Auto-ignition temperature:	> 200 ° C (naphtha)
Decomposition temperature:	Not applicable
Viscosity:	0.0009 cm ² / s (heavy naphtha - 40 ° C)
Explosive properties:	Not applicable
Oxidising properties:	Not available

9.2. Other safety information

Not available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No reaction under normal conditions of use and storage.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

It may generate flammable gas on contact with mineral acids. May ignite on contact with mineral acids, azoic combinations, diazo and hydrazines, halogenated organic substances, strong oxidizing agents.

10.4. Conditions to avoid

Keep away from moisture.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

In case of contact with an acid or a base (or with water), aluminum powders react and potentially create hydrogen.

10.7. Additional information

Not available

SECTION 11: Toxicological information

11.1. Acute oral toxicity

Data for mixture

Not available

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

Species : Rat
Sex : OECD Guideline 401 (Acute Oral Toxicity)

subendpoint	Operator	Value	Units
LD50	>	5000	mg/kg bw

11.2. Acute skin toxicity

Data for mixture

Not available

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

Species : Rabbit
Sex : OECD Guideline 402 (Acute Dermal Toxicity)
Guideline : 24
Exposure duration / value : h

subendpoint	Operator	Value	Units
LD50	>	5000	mg/kg bw

11.3. Acute inhalation toxicity

Data for mixture

Not available

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

subendpoint	Results / Sex	Operator	Value	Units
LC50 rat	-	>	5610	mg/m3

11.4. Skin corrosion

Data for mixture

Not available

Substances

Not available

11.5. Eye damage

Data for mixture

Not available

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

test Type : Rabbit
Conclusion : non-irritating to eyes.

11.6. Skin sensitisation

Data for mixture

Not available

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

Species : Guinea pig
Conclusion : No sensitizing effects known.

11.7.STOT RE

Data for mixture

Not available

Substances

Not available

11.8.STOT SE

Data for mixture

Not available

Substances

Not available

11.9.Carcinogenicity

Data for mixture

Not available

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

test Type : Rat
Species : inhalation
Conclusion : Not identified as a carcinogen.

11.10.Reproductive and Developmental Toxicity

Data for mixture

Not available

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

test Type : Rat
Species : inhalation
Conclusion : Not identified as toxic to reproduction.

11.11.genotoxicity

Data for mixture

Not available

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

test Type : generic bacteria
Conclusion : Not identified as a mutagen.

Solvent naphtha (petroleum), light arom. (CAS: 64742-95-6)

Conclusion : Not identified as a mutagen.

SECTION 12: Ecological information

12.1. Toxicity

Use the product is not released into the wild. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Acute aquatic toxicity

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

subendpoint	Value	Units
LC50 fish 1	>1000	mg/l

Solvent naphtha (petroleum), light arom. (CAS: 64742-95-6)

Animals / category : alga or cyanobacteria
Species : 72
test Duration : h

subendpoint	Value	Units
EL50	2.9	mg/L

aluminium powder (stabilised) (CAS: 7429-90-5)

Animals / category : Fish
Species : 96
test Duration : h

subendpoint	Value	Units
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LC50:	2.6	-
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Chronic aquatic toxicity

Substances

Naphtha (petroleum), hydrotreated heavy (CAS: 64742-48-9)

subendpoint	Value	Units
EC50 other aquatic organisms 1 (48h)	>1000	mg/l
EC50 other aquatic organisms 2 (72h)	>1000	mg/l

Solvent naphtha (petroleum), light arom. (CAS: 64742-95-6)

Animals / category : Fish
 Species : 28
 Guideline : days

subendpoint	Value	Units
CHRISTMAS	1.23	mg/L

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

Not available

12.7. Additional ecotoxicological information

Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose in accordance with local and national regulations. The allocation of waste identification numbers and their descriptions must be in compliance with the EEC.

Product/Packaging disposal

Waste codes / waste designations according to EWC / AVV: No data.

13.2. Additional information

Not available

SECTION 14: Transport information

The product is not subject to ADR / ADN / RID / IMDG / ICAO.

SECTION 15: Regulatory information

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

Regulations: EN Tables of occupational diseases.

Not available

15.2. Chemical Safety Assessment

No risk assessment was performed.

15.3. Additional information

Not available

SECTION 16: Other information

16.1. Indication of changes

Modification of Section 1.1.

16.2. Abbreviations and acronyms

PBT: persistent, bioaccumulative, toxic substances. VPvB: very persistent and very bioaccumulative substances. IMDG: International Maritime Dangerous Goods Code. No EC: European Commission Number. CLP: Classification, labeling and packaging. CAS: Chemical Abstract Service Number. ADR / RID: European Agreement concerning the International Carriage of Dangerous Goods by Road / Regulations concerning the international

carriage of dangerous goods by rail. ADN / ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways. LC50: Lethal concentration for 50 percent of the population tested. LD50: Lethal dose for 50 percent of the population tested. NA: Not available.

16.3. Key literature references and sources for data

Not available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H228	Flammable solid.
H261	In contact with water releases flammable gases.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H411	Toxic to aquatic life with long lasting effects.

16.6. Training advice

Not available

16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.