

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Asplit® Cleaner N

Revision date: 21.11.2019

Product code: 00359-1196

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

1.1. Product identifier

Asplit® Cleaner N

Art.-No.

592 0920

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

Use of the substance/mixture

Cleaning agent

1.3. Details of the supplier of the safety data sheet

Company name: TIP TOP Oberflächenschutz Elbe GmbH
Street: Heuweg 4
Place: D-06886 Wittenberg
Telephone: +49(0)3491/635-50 Telefax: +49(0)3491/635-552
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

1.4. Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Substance or mixture corrosive to metals: Met. Corr. 1
Skin corrosion/irritation: Skin Corr. 1A
Serious eye damage/eye irritation: Eye Dam. 1
Specific target organ toxicity - single exposure: STOT SE 3
Hazard Statements:
May be corrosive to metals.
Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause respiratory irritation.

2.2. Label elements

Regulation (EC) No. 1272/2008**Hazard components for labelling**

Sodium hydroxide
Disodium metasilicate
Tetrasodium pyrophosphate
Alcohols, C13-15-branched and linear, ethoxylated

Signal word: Danger**Pictograms:****Hazard statements**

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe dust.

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- P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

2.3. Other hazards

Not known.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Mixture containing following substances with additives

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1310-73-2	Sodium hydroxide			< 50 %
	215-185-5	011-002-00-6	01-2119457892-27	
	Met. Corr. 1, Skin Corr. 1A, Eye Dam. 1; H290 H314 H318			
497-19-8	Sodium carbonate			< 50 %
	207-838-8	011-005-00-2	01-2119485498-19	
	Eye Irrit. 2; H319			
6834-92-0	Disodium metasilicate			< 25 %
	229-912-9	014-010-00-8	01-2119449811-37	
	Met. Corr. 1, Skin Corr. 1B, STOT SE 3; H290 H314 H335			
7722-88-5	Tetrasodium pyrophosphate			< 5 %
	231-767-1		01-2119489794-17	
	Acute Tox. 4, Eye Dam. 1; H302 H318			
64425-86-1	Alcohols, C13-15-branched and linear, ethoxylated			< 5 %
	Acute Tox. 4, Eye Dam. 1, Aquatic Acute 1; H302 H318 H400			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

- Remove contaminated soaked clothing immediately.
Call a physician immediately.

After inhalation

- Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If patient is not breathing, apply artificial respiration.
Call a physician immediately.

After contact with skin

- In case of contact with skin wash off immediately with soap and water.
Consult a physician.



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After contact with eyes

- Remove contact lens.
- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Consult (eye) doctor immediately.

After ingestion

- Do not induce vomiting.
- Rinse out mouth and give plenty of water to drink.
- Never give anything by mouth to an unconscious person.
- Summon a doctor immediately.
- Induce vomiting only upon the advice of a physician.

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

- Causes severe skin burns and eye damage.
- May cause respiratory irritation.

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

- Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- Product does not burn, fire-extinguishing activities according to surrounding.

Unsuitable extinguishing media

- Full water jet

5.2. Special hazards arising from the substance or mixture

- Fire may produce:
 - Carbon monoxide and carbon dioxide
 - Phosphorus oxides (e.g. P₂O₅)
 - Water forms corrosive alkaline solutions.

5.3. Advice for firefighters

- Wear self-contained breathing apparatus and protective suit.

Additional information

- Cool containers at risk with water spray jet.
- Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Use personal protective clothing.
- Avoid contact with skin, eyes and clothing.
- Avoid dust formation.

6.2. Environmental precautions

- Do not discharge into the drains/surface waters/ground water.
- Clean contaminated surface thoroughly.

6.3. Methods and material for containment and cleaning up

- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
- Shovel into suitable container for disposal.
- Do not use metal containers.

6.4. Reference to other sections

- Observe protective instructions (see Sections 7 and 8).
- Information for disposal see section 13.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling**Advice on safe handling**

- Avoid the formation and deposition of dust.
- Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
- Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

- No special protective measures against fire required.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

- Keep only in original container.
- Keep container tightly closed in a dry, cool and well-ventilated place.
- Do not use metal containers.

Hints on joint storage

- Incompatible with acids.

Further information on storage conditions

- Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

- Cleaning agent

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1310-73-2	Sodium hydroxide	-	2		STEL (15 min)	WEL
7722-88-5	Tetrasodium pyrophosphate	-	5		TWA (8 h)	WEL

Additional advice on limit values

- Obey TLV for common dust, if applicable.
- Obey TLV for common dust, if applicable.

8.2. Exposure controls**Appropriate engineering controls**

- Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Protective and hygiene measures

- Do not breathe dust.
- Wash hands before breaks and immediately after handling the product.
- When using do not eat, drink or smoke.
- Remove and wash contaminated clothes before re-use.
- Avoid contact with eyes, skin or mucous membrane.

Eye/face protection

- Tightly fitting goggles (EN 166).
- Eye wash bottle with pure water (EN 15154).

Hand protection

- Protective gloves resistant to chemicals made off natural-rubber latex, minimum coat thickness 0.6 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Lapren 706> made by www.kcl.de.
- This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

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Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Pls. find examples in the protective gloves database under: <http://bestglove.com/site/chemrest/>

Skin protection

Long sleeved clothing (DIN EN ISO 6530)

Respiratory protection

No personal respiratory protective equipment normally required.

Breathing apparatus (particle filter) only if dust is formed.

Dust mask (EN 149)

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Solid
Colour:	White
Odour:	Odourless

Test method

pH-Value (at 20 °C): 12,8 - 13,6

Changes in the physical state

Melting point:	n.d.
Initial boiling point and boiling range:	n.d.
Sublimation point:	n.a.
Softening point:	n.d.
Flash point:	n.a.

Flammability

Solid:	Not combustible
Gas:	n.a.

Explosive properties

The product is not explosive.

Lower explosion limits:	n.d.
Upper explosion limits:	n.d.
Ignition temperature:	n.d.

Auto-ignition temperature

Solid:	The product is not self-igniting
Gas:	n.a.

Decomposition temperature: n.d.

Oxidizing properties

Not oxidising.

Vapour pressure: (at 20 °C)	n.a.
Density (at 20 °C):	n.d.
Bulk density:	990 - 1210 kg/m ³
Water solubility: (at 20 °C)	Completely soluble

Solubility in other solvents

n.d.

Partition coefficient: n.d.

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Viscosity / dynamic:	n.a.
Viscosity / kinematic:	n.a.
Flow time:	n.a.
Vapour density:	n.a.
Evaporation rate:	n.a.
Solvent separation test:	0 %
Solvent content:	0 %

9.2. Other information

Solid content:	100 %
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Acids., Water

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Fire may produce:

Carbon monoxide and carbon dioxide

Phosphorus oxides (e.g. P₂O₅)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

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

No toxicological data available.

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

May cause respiratory irritation. (Disodium metasilicate)

STOT-repeated exposure

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

Aspiration hazard

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



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Additional information on tests

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

Practical experience

Other observations

Ingestion may cause nausea, vomiting, sore throat, stomach-ache and eventually lead to a perforation of the intestine.

Danger of perforation of the gullet and of the stomach.

SECTION 12: Ecological information

12.1. Toxicity

Ecological data are not available.

12.2. Persistence and degradability

Methods for the determination of biodegradability are not applicable to inorganic substances.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

12.6. Other adverse effects

Low hazard to waters.

Further information

Do not flush into surface water or sanitary sewer system.

The product is an alkaline solution. Neutralization is normally necessary before a waste water is discharged into sewage treatment plants.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

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Land transport (ADR/RID)

14.1. UN number:	UN 3262
14.2. UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, Disodium metasilicate)
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8 
Classification code:	C6
Limited quantity:	1 kg / 30 kg
Excepted quantity:	E2
Transport category:	2
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number:	UN 3262
14.2. UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, Disodium metasilicate)
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8 
Classification code:	C6
Limited quantity:	1 kg / 30 kg
Excepted quantity:	E2

Marine transport (IMDG)

14.1. UN number:	UN 3262
14.2. UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium metasilicate)
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8 
Limited quantity:	1 kg / 30 kg
Excepted quantity:	E2
EmS:	F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 3262
14.2. UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, sodium metasilicate)
14.3. Transport hazard class(es):	8

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14.4. Packing group:

Hazard label:

II

8



Limited quantity Passenger:

5 kg

Passenger LQ:

Y844

Excepted quantity:

E2

IATA-packing instructions - Passenger:

859

IATA-max. quantity - Passenger:

15 kg

IATA-packing instructions - Cargo:

863

IATA-max. quantity - Cargo:

50 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

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

The transport takes place only in approved and appropriate packaging.

SECTION 15: Regulatory information

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

EU regulatory information

2004/42/EC (VOC):

0 %

Information according to 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

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GHS = Globally Harmonized System of Classification and Labelling of Chemicals
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
CAS = Chemical Abstract Service
EN = European norm
ISO = International Organization for Standardization
DIN = Deutsche Industrie Norm
PBT = Persistent Bioaccumulative and Toxic
vPvB = Very Persistent and very Bio-accumulative
LD = Lethal dose
LC = Lethal concentration
EC = Effect concentration
IC = Median immobilisation concentration or median inhibitory concentration

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)