

Safety Data Sheet

according to WHMIS

Asplit® CN Solution

Date (latest revision): 25.07.2025

Product code: 00359-1166

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1. Identification**Product identifier**

Asplit® CN Solution

Art.-No.

592 0020, 592 0021, 592 0022, 592 0023

Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Mortar

Details of the supplier of the safety data sheet

Company name:	REMA TIP TOP / North America Inc.
Street:	1500 Industrial Blvd
Place:	Madison, GA 30650, USA
Telephone:	+1 800 225 7362,
Internet:	www.rematiptop.com
Responsible Department:	Responsible for the safety data sheet: sds@gbk-ingelheim.de

Emergency telephone number: (USA domestic) 1 800 535 5053 or international (001) 352 323 3500
Infotrac/GBK GmbH-ID: 93591

2. Hazard identification**Classification of the substance or mixture****WHMIS 2015**

Flammable liquids: Flam. Liq. 4
Carcinogenicity: Carc. 1B
Carcinogenicity: Carc. 2
Germ cell mutagenicity: Muta. 2
Acute toxicity: Acute Tox. 3 (inhalation)
Acute toxicity: Acute Tox. 4 (inhalation)
Acute toxicity: Acute Tox. 4 (dermal)
Skin corrosion/irritation: Skin Corr. 1B
Serious eye damage/eye irritation: Eye Dam. 1
Respiratory or skin sensitization: Skin Sens. 1A
Specific target organ toxicity - single exposure: STOT SE 3 (respiratory tract irritation)
Specific target organ toxicity - repeated exposure: STOT RE 2

Label elements**WHMIS 2015****Signal word:** Danger**Pictograms:****Hazard statements**

Combustible liquid.
Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Toxic if inhaled.
May cause respiratory irritation.
Suspected of causing genetic defects.

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May cause cancer.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe vapour.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Avoid release to the environment.

Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.
Vapours may form explosive mixture with air.

3. Composition/information on ingredients**Mixtures****Chemical characterization**

Mixture containing following substances with additives :

Hazardous components

CAS No	Chemical name	Quantity
98-01-1	2-Furaldehyde	10 - < 30 % (*)
108-95-2	Phenol	3 - < 7 % (*)
50-00-0	Formaldehyde	0.1 - < 1 % (*)

(*) The actual concentration is withheld as a trade secret.

4. First-aid measures**Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.
In the event of persistent symptoms receive medical treatment.
Take away from danger area and lay down affected person.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.
Seek medical treatment immediately.

After contact with skin

Wash off immediately with soap and plenty of water.
Consult a doctor if skin irritation persists.

After contact with eyes

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.
Summon a doctor immediately.
Rinse out mouth and give plenty of water to drink.
Never give anything by mouth to an unconscious person.
Induce vomiting only upon the advice of a physician.

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Most important symptoms and effects, whether acute or delayed

May cause cancer.
Suspected of causing genetic defects.
Toxic if inhaled.
Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

Indication of immediate medical attention and special treatment needed

Treat symptoms.
Attention. Phenols in high amounts cause local anesthetic effects so that pain due to burns may be delayed.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water-spray.

Unsuitable extinguishing media

Full water jet.

Specific hazards arising from the hazardous product

Fire may produce:
carbon monoxide and carbon dioxide
Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Additional information

Vapours are heavier than air and spread along ground.
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
Cool containers at risk with water spray jet.
Collect contaminated firefighting water separately, must not be discharged into the drains.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****General advice**

Ensure adequate ventilation.
Remove persons to safety.
Keep away sources of ignition.

For emergency responders

In case of vapour formation use respirator.
Use personal protective clothing.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up**For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

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Reference to other sections

Observe protective instructions (see Sections 7 and 8).
Information for disposal look up chapter 13.

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Keep container tightly closed.
Vapours are heavier than air and spread along ground.
Use only in thoroughly ventilated areas.
Provide suitable extraction at the processing machines.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.
Take measures against electrostatic charging.

Advice on general occupational hygiene

Do not inhale vapours.
Wash hands before breaks and immediately after handling the product.
When using do not eat, drink or smoke.
Treat subsequently with skin cream.
Remove and wash contaminated clothes before re-use.

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

Keep container tightly closed in a dry, cool and well-ventilated place.

Hints on joint storage

Incompatible with acids.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/Personal protection**Control parameters****Exposure limits (ACGIH)**

CAS No	Chemical name	ppm	mg/m ³	F/ml	Category	Origin
50-00-0	Formaldehyde	0.1	0.12		TWA (8 h)	ACGIH-2024
		0.3	0.37		STEL (15 min)	ACGIH-2024
98-01-1	Furfural	0.2	0.8		TWA (8 h)	ACGIH-2024
108-95-2	Phenol	5	19		TWA (8 h)	ACGIH-2024

Biological limit values

CAS No	Chemical name	Parameter	Value	Test material	Sampling time
98-01-1	Furfural (ACGIH 2024)	Furoic acid (with hydrolysis)	200 mg/L	urine	End of shift
108-95-2	PHENOL (ACGIH 2024)	Phenol (with hydrolysis, creatinine)	250 mg/g	urine	End of shift

Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.
Pay attention to explosion protection guidelines.

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Individual protection measures, such as personal protective equipment**Eye/face protection**

Tightly fitting goggles.

Eye wash bottle with pure water.

Hand protection

Protective gloves resistant to chemicals made of butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> 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.

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.

Skin protection

Long sleeved clothing.

Solvent-resistant apron.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Dark brown
Odour:	Like phenoles

Test method**Changes in the physical state**

Melting point/freezing point:	n. d.
Boiling point or initial boiling point and boiling range:	100 - 200 °C
Sublimation point:	n.a.
Softening point:	n. d.
Flash point:	78 °C DIN EN ISO 2719

Flammability

Solid/liquid:	n.a.
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Explosive properties

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

Lower explosive limits:	2,1 vol. % (*)
Upper explosive limits:	19,3 vol. % (*)
Auto-ignition temperature:	315 °C (*)

Self-ignition temperature

Solid:	n.a.
Gas:	n.a.
Decomposition temperature:	> 110 °C
pH-Value:	7 - 8
Viscosity / dynamic: (at 23 °C)	125 - 165 mPa·s ISO 3219
Viscosity / kinematic:	n. d.
Flow time:	n. d.

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Water solubility:
(at 20 °C) Partly soluble

Solubility in other solvents
n. d.

Partition coefficient n-octanol/water: n. d.

Vapour pressure: ~ 1,4 hPa OECD 104

Vapour pressure: ASTM D 2879

Density: 1,221 g/cm³

Bulk density: n.a.

Relative vapour density: n. d.

Other information**Information with regard to physical hazard classes**

Oxidizing properties
Not oxidising.

Other safety characteristics

Solvent separation test: n. d.

Solvent content: n. d.

Evaporation rate: n. d.

Further Information

(*) Solvent

10. Stability and reactivity**Reactivity**

No decomposition if stored and applied as directed.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Reactions with strong acids.

Conditions to avoid

To avoid thermal decomposition, do not overheat.
Vapour/air mixtures are explosive at intensive warming.
Heating can release vapours which can be ignited.
Avoid temperatures above 25°C .

Incompatible materials

Strong acids

Hazardous decomposition products

No hazardous decomposition products known.
Fire may produce:
Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).
Carbon monoxide and carbon dioxide

11. Toxicological information**Information on toxicological effects****Acute toxicity**

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Toxic if inhaled.
Harmful if inhaled.
Harmful in contact with skin.
No toxicological data available.

Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage.
Serious eye damage/eye irritation: Causes serious eye damage.

Sensitizing effects

May cause an allergic skin reaction. (Formaldehyde)

Carcinogenic/mutagenic/toxic effects for reproduction

May cause cancer. (Formaldehyde)
Suspected of causing cancer.
Suspected of causing genetic defects. (Phenol; Formaldehyde)
Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (Phenol)

Aspiration hazard

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

Additional information on tests

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

Information on other hazards**Endocrine disrupting properties**

No data available

12. Ecological information**Ecotoxicity**

Ecological data are not available.
Harmful to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

Hazardous water pollutant.

Further information

Do not flush into surface water or sanitary sewer system.

13. Disposal considerations**Waste treatment methods****Disposal recommendations**

Can be incinerated, when in compliance with local regulations.
Where possible recycling is preferred to disposal.

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Contaminated packaging

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.

14. Transport information

Canadian TDG

UN number:

UN 2927

Proper shipping name:

TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (2-Furaldehyde, Phenol)

Hazard classes:

6.1

Packing group:

II

Hazard label:

6.1 (8)

Limited quantity:

0.1 L



Marine transport (IMDG)

UN number or ID number:

UN 2927

United Nations proper shipping name:

TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (2-Furaldehyde, phenol)

Transport hazard class(es):

6.1

Packing group:

II

Hazard label:

6.1+8



Marine pollutant:

Yes

Special Provisions:

274

Limited quantity:

100 mL / 30 kg

Excepted quantity:

E4

EmS:

F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number:

UN 2927

United Nations proper shipping name:

TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (2-Furaldehyde, phenol, solution)

name:

Transport hazard class(es):

6.1

Packing group:

II

Hazard label:

6.1+8



Special Provisions:

A4 A137

Limited quantity Passenger:

0.5 L

Passenger LQ:

Y640

Excepted quantity:

E4

IATA-packing instructions - Passenger:

653

IATA-max. quantity - Passenger:

1 L

IATA-packing instructions - Cargo:

660

IATA-max. quantity - Cargo:

30 L

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Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Other applicable information**15. Regulatory information****Canadian regulations****DSL/NDSL inventory status**

All components are listed on the DSL Inventory.

Additional information

Consider Chemical prohibition regulation.

16. Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2,4,6,9,10,11,14,15.

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

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

Further Information

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release 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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)