

## Safety Data Sheet according Regulation (EC) No.: 1907/2006, Annex II

### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

**Product Label Name**

Dry fuel Esbit

**Use**

Dry fuel.

**Company identification**

Gummi-Noller GmbH & Co. KG, Ysostr. 2, 27283 Verden  
 Telefon (+49) 0 42 31 / 8 88-0, Fax (+49) 0 42 31 / 8 88-88

E- mail address of the competent person: alexandra.guenther@gmx.de

**Telephone number in case of emergencies** Telefon (+49) 0 42 31 / 8 88-0

### 2. HAZZARD IDENTIFICATION

**Human health effects**

see Point 11 and 15.

Harmfull after 1272/2008 EG

H 228 Flammable solid.

H 317 May cause an allergic skin reaction.

**Environmental effects**

see Point 12.

P 261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P 280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302 + P 350 IF ON SKIN: Gently wash with plenty of soap and water.

P 333 + P 313 If skin irritation or rash occurs: Get medical advice/ attention.

### 3. COMPOSITION/INFORMATION OF INGREDIENTS

Chemical name			
%	Symbol	R-Phrases	EINECS; ELINCS
	Pictogram	H-Phrases	Signal Word
	Registration number (ECHA)	DNEL (dermal)	H Prhases

Methenamine			
%	Symbol	R-Phrases	EINECS; ELINCS
	Pictogram	H-Phrases	Signal Word
	Registration number (ECHA)	DNEL (dermal)	H Prhases
80 - 100	F	11;42/43	202-905-8
	GHS02, GHS07	228;317	Warning
	01-2119474895-20-xxxx	22,9 mg /kgbw/day	H 228 , H 317

Text of H and P-Phrases see Point 2.

### 4. FIRST AID MEASURES

**4.1 Inhalation**

Remove to fresh air Always seek medical advice in case of significant exposure. Give MSDS to the medical personal.

#### 4.2 Eye contact

Rinse thoroughly with plenty of water.  
Seek medical advice if irritation persists..

#### 4.3 Skin contact

Remove contaminated clothing and shoes. Seek Medical advice.

#### 4.4 Ingestion

Seek medical invoice.

#### 4.5 Emergency equipment

Information to the doctor: delayed effects of exposure are to be expected.

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguished media Suitable

Carbon dioxide, foam, water spray

#### 5.2 Unsuitable

/

#### 5.3 Exposure hazards

In case of fire can be developed:  
formaldehyde, ammonia, Nitrous gases, cyanide

#### 5.4 Protective equipment for fire-fighters

Do not approach area without self contained breathing apparatus and protective cloth in

### 6. ACCIDENTAL RELEASE MEASURES

See Point 8 and 13.

#### 6.1 Personal precautions

Avoid contact with skin and eyes and inhalation. Prevent formation of Dust.

#### 6.2 Environmental precautions

Prevent spilled substance from entering supplies or water courses.

#### 6.3 Methods of cleaning up

Recover mechanically the product.

### 7. HANDLING AND STORAGE

#### 7.1 Handling

Avoid Formation of dust. Avoid contact with skin and eyes. Use only in well ventilated rooms. Keep away from ignition Sources. No smoking. Eating, drinking, smoking and storage of food in the work area restricted. Note Label and Instructions for use.

#### 7.2 Storage

Keep container tightly close.

GB

3/6

Safety Data Sheet according Regulation (EC) No.: 1907/2006, Annex II  
Overworked 21.11. 2011 replaced Version of 25.03. 2010 PDF- Date: 21.11.2011  
Dry fuel Esbit

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Exposure limits

GB	Chemical name	Methenamine	% Sector:80-100
	TWA: 10 mg/m <sup>3</sup>	inhalable	-
	: -		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

State of matter:	solid
Color:	White
Odour:	Ammonia
pH-value(10%):	no Data available
Boiling Point:	no Data available
Melting point:	280°C(Sublimation)
Ignition temperature:	390°C
Explosive properties:	no Data available
Dust Explosion border:	20 mg/m <sup>3</sup>
Density:(g/ml):	1,33
Water solubility:	100 - 874 g/l/20°C, 844 g/l/60°C
Miscibility:	Alcohol; Chloroform

## 10. STABILITY AND REACTIVITY

### Conditions to avoid

stable in storage  
Protect to Moisture  
Heating

### Materials to avoid

Acids, Alumina, Tin, Zinc, HCl, HBr, HJ, Peroxide

### Hazardous(thermal) Decompositions products

Formaldehyde, Ammonia, NOx

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

9200mg/kg (rat oral)

### Chronic effects

inhalation  
possible(Skin and eye Contacts)

### Other toxicological Informations

## 12. ECOLOGICAL INFORMATION

Ecotoxicity:	no Data available
Mobility:	no Data available
Persistence / Degradability:	abiotic degradation possible; not easy biologic degradation
Contact with water	Hydolysis
In wastewater Treatment:	no Data available
Toxicity for fish:	LC50/96h 49800 mg/L (Pimephales promelas) NOEC / 336h 15 mg/L (Selenastrum Capricormulum) TGR / 12h 500 mg/L (Escheria coli)

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Product

Dispose in a safe manner in accordance with local/national Regulations.

Refer to manufacturer / Supplier for information on recovery/recycling

Disposal code No.: (EC):

Regulations 1001/118/EC; 2001/119 / EC; 2001/573/ EC

07 07 99 Wastes a.n.g.

07 01 99 Wastes a.n.g.

### 13.2 Contaminated packing materials

Dispose in a safe manner in accordance with local/national Regulations.

If the packing materials are not to clean: dispose how wastes

15 01 01 Package from paper and paperboard

15 01 02 Package from plastics

## 14. TRANSPORT INFORMATION

### General statements

UN Number: 1328

### Road/ Rail- transport (ADR / RID)

Name: Hexamethylenetetramine

Class: 4.1



Packing group: III

Classification code: F1

LQ 9: 5 Kg

Tunnel category: (E)

### Transport by sea (IMDG- Code)

Proper shipping name:	HEXAMETHYLENETETRAMINE
Class:	4.1
Packing group:	III
EmS:	F-A, S-G
Marine Pollutant:	n.a.



### Transport by air (IATA/ICAO)

Proper shipping name:	Hexamethylenetetramine
Class:	4.1
Packing group:	III

## 15. REGULATORY INFORMATION

### Classified as dangerous according to Directive 1999/45/EEC

Symbol:



R Phrases:	11	Highly flammable.
	42/43	May cause sensitization by inhalation and skin contact.
S Phrases:	(2)	Keep out of the reach of children.
	22	Do not breathe dust.
	24	Avoid contact with skin.
	35	This material and its container must be disposed of in a safe way.
	37	Wear suitable gloves.
	45	In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

### Classified as dangerous according to CLP (GHS) Regulation (EC) No 1272/2008

Pictogramme:	GHS02; GHS07	
Signal word:	Warning	
H-Phrases:	228	Flammable solids, Hazard Category 1, 2.
	317	Sensitisation — Skin, Hazard Category 1.
P-Phrases:	261	Avoid breathing dust.
	280	Wear protective gloves.
	302 + 352	IF ON SKIN: Wash with plenty of soap and water.
	333 + 313	If skin irritation or rash occurs: Get medical advice/attention.
	501	Dispose of contents /container to hazardous waster.



GB

6/6

Safety Data Sheet according Regulation (EC) No.: 1907/2006, Annex II  
Overworked 21.11. 2011 replaced Version of 25.03. 2010 PDF- Date: 21.11.2011  
Dry fuel Esbit

## 16. OTHER INFORMATION

MSDS is conformity with EU Directive 2001/58/EC

Product Classification following EU Directives 67/548/EEC; 1999/45/EEC and REGULATION (EC) No 1272/2008 and Regulation VERORDNUNG (EG) Nr. 1907/2006

14. TRANSPORT INFORMATION LQ 9 (5kg) 15.04. 2011