

Version number:	5.0.	This safety data sheet replaces version	4.0.1.	dated:	04.05.21
Date of issue:	02.01.2024				
Revision:	02.01.2024				

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

### 1.1. Product identifier:

Identification on the label / trade name: **Sonic Energy Nitrided Steel Handpan Protectant**  
Article-No.: HPP  
UFI: USN1-C0YF-000S-QMTD

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

Relevant identified: Cleaner

Uses advised against/Remarks: The product is intended for professional use.

### 1.3. Details of the supplier of the safety data sheet:

Supplier (manufacturer/importer/downstream user/distributor):

Name:	<b>MEINL Sonic Energy</b>	Telefon:	0049-(0)9161-788200
	Roland Meinl Musikinstrumente GmbH&Co.KG	Fax:	0049-(0)9161-788225
Address:	Musik-Meintl-Str. 1	Information contact:	0049-(0)9161-788200
	D-91468 Gutenstetten		
E-Mail:	info@meinlsonicenergy.com		
E-Mail (competent person):	sdb-service@web.de		

1.4. Emergency telephone number: 0049-89/96290-441

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

### 2.2. Label elements

Hazard pictograms and Signal word: no hazard pictogram

Signal word: no signal word

### Hazard statements:

EUH210 Safety data sheet available on request

### Precautionary statements:

P102 Keep out of the reach of children.

### 2.3. Other hazards:

It does not contain any substances in concentrations > 0.1% that meet the criteria for classification as PBT, vPvB or have endocrine disrupting properties.

This preparation is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### Adverse physicochemical effects:

Not known.

### Adverse human health effects and symptoms:

Not known.

### Adverse environmental effects:

See chapter 12. Moreover no other hazards known.

## SECTION 3. Composition/information on ingredients

3.1. Substances This product is a mixture with non-hazardous additions.

### 3.2. Mixtures

Composition / information on components and / or substances with prescribed EC limit values

Name:	1-Butoxypropan-2-ol	Regulation (EC) No. 1272 [CLP]	Specific concentration limits
Concentration:	1-3%	SkinIrrit. 2 H315	-
EINECS:	225-878-4	EyelIrrit. 2 H319	-
CAS-no.:	5131-66-8		
Reach-no.:	01-2119475527-28-XXXX		
Index-no:	603-052-00-8		
M-factor (acute):	-		
M-factor (chr.):	-		

<b>Name:</b>	Glycerol	<b>Regulation (EC) No. 1272 [CLP]</b>	<b>Specific concentration limits</b>
<b>Concentration:</b>	1-5%		
<b>EINECS:</b>	200-289-5	AGW	-
<b>CAS-no.:</b>	01-2119471987-18-XXXX		
<b>Reach-no.:</b>	56-81-5		
<b>Index-no.:</b>	kA		
<b>M-factor (acute):</b>	-		
<b>M-factor (chr.):</b>	-		

(Full text of R-, H- and EUH-phrases: see section 16.)

Accordinging Dir. (EG) No. 648/2004:

<1% non-ionic surfactans

Containing allergic substances according to Dir. 2003/15/EC:

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Containing preservatives: Sodiumpyrithione, Benzisothiazolinone

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

Following inhalation:

Remove casualty to fresh air and keep warm and at rest.

Following skin contact:

Rinse with lot of water and soap.

Following eye contact:

In case of eye irritation consult an ophthalmologist.

Protect uninjured eye.

Following ingestion:

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Do NOT induce vomiting.

If vomiting occurs spontaneously, keep head below the hips.

General informations:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Change contaminated, saturated clothing.

In all cases of doubt, or when symptoms persist, seek medical advice.

Self-protection of the first aider:

No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

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

Symptoms: if swallowed: Pulmonary irritation

Effects from exposure: if swallowed: Gastrointestinal disorders  
 With aspiration: Pulmonary oedema  
 Nausea

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

Special treatment: To supervise the blood circulation.  
 Treat symptomatically. Antidotal dispensation.  
 Subsequent observance for pneumonia and lung oedema.

Reference to provide specific and immediate treatment shall be available at the workplace: no

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

Suitable Extinguishing media: Foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Water mist.

Unsuitable extinguishing media: Strong water jet.

##### 5.2. Special hazards arising from the substance or mixture:

Hazardous combustion products: Nitrogen oxides (NO<sub>x</sub>); Carbon monoxide (CO)

##### 5.3 Advice for fire-fighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Do not inhale explosion and combustion gases. Use water spray jet to protect personnel and to cool endangered containers.

Fire class: Product itself does not burn.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

(a) The wearing of suitable protective equipment: Use personal protective equipment and observe protective measures under points 7 and 8.

(b) Removal of ignition sources, provision of sufficient ventilation, control of dust

(c) Follow emergency plans

6.1.2. For emergency responders

Keep unprotected people away and stay on the upwind side. Wear personal protection equipment and see protective measures under point 7 and 8.

**6.2. Environmental precautions:**

Do not allow to enter into surface water or drains.  
 Make sure spills can be contained (e.g. sump pallets or kerbed areas).  
 Clear spills immediately.

**6.3. Methods and material for containment and cleaning up**

6.3.1. Appropriate advice on how to contain a spill:  
 Soak up inert absorbent and dispose as waste requiring special attention.

6.3.2. Appropriate advice on how to clean-up a spill:

Suitable material for diluting or neutralizing: Water. Wash small quantities (< 1 liter) with plenty of water  
 Suitable material for taking up: Universal binder

6.3.3 Advice on inappropriate containment or clean-up techniques: no

**6.4. Reference to other sections**

Refer to section 8 and section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

7.1.1. Recommendations

(a) safe handling:

No special technical protective measures are necessary. Wear personal protective clothing (see chapter 8).

Specific requirements or handling rules: No special measures are necessary.

Measures to prevent fire as well as aerosol and dust generation:

No special measures are necessary.

(b) prevent handling of incompatible substances or mixtures:

Do not mix with: other cleaners

Keep away from: other cleaners

The product is: Not flammable

(c) operations and conditions which alter the properties of the mixture

No special measures are necessary.

(d) Measures that prevent the release into the environment:

See chapter 8.

Ventilation: No special measures

Clean floors and contaminated objects with: Water and soap

7.1.2. Advice on general occupational hygiene:

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

When using do not eat, drink, smoke, sneeze. Avoid contact with skin, eye and clothing.

Wash hands before breaks and after work.

Remove contaminated, saturated clothing.

**7.2. Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions:** No special measures are necessary.

**Packaging materials:** Polyethylene (PE)

**Requirements for storage rooms and vessels:**

Suitable material for vessels: Polyethylene (PE)

Suitable material for floors: Material, cleaner-resistant

Further storage conditions: Floors should be impervious, resistant to liquids and easy to clean

**Hints on joint storage:**

Do not store together with: Food and feedingstuffs

**Further information on storage conditions:**

Protect against: No special measures are necessary.

Storage: Keep in the original container.

Storage temperature: Frost-free between +1 up to +35 °C

Maximum period of storage (time): 36 month

Storage class: Non-combustible liquids - Storage Class 12

**7.3 Specific end uses**

Recommendations: Observe instructions for use.

Industrial sector specific solutions: Giscode: no

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Exposure limit

**Substance identity**

Substance name	CAS-Nr.	specification	Exposure limit		Peak	Remarks:
			ml/m3 (ppm)	mg/m3		
Glycerol	56-81-5	AGW, TRGS900		200	2(l)	DFG, Y

**DNEL-values:**

**1-Butoxypropan-2-ol** CAS-Nr.: 5131-66-8

**Workers-Hazard via inhalation route Systemic effects Long term exposure mg/m<sup>3</sup>:** 147  
**Acute/short term exposure mg/m<sup>3</sup>:** nhi  
**Workers - Hazard via inhalation route Local effects Long term exposure mg/m<sup>3</sup>:** nhi  
**Acute/short term exposure mg/m<sup>3</sup>:** nhi  
**Workers-Hazard via dermal route Systemic effects Long term exposure mg/kg bw/day:** 52  
**Acute/short term exposure mg/kg bw/day:** nhi  
**Workers - Hazard via dermal route Local effects Long term exposure mg/kg bw/day:** 50% in mixture  
**Acute/short term exposure mg/kg bw/day:** 50% in mixture  
**Workers-Hazard for the eyes Local effects:** nhi

**General Population-Hazard via inhalation route Systemic effects Long term exposure mg/m<sup>3</sup>:** 43  
**Acute/short term exposure mg/m<sup>3</sup>:** nhi  
**General Population-Hazard via inhalation route Local effects Long term exposure mg/m<sup>3</sup>:** nhi  
**Acute/short term exposure mg/m<sup>3</sup>:** nhi  
**General Population-Hazard via dermal route Systemic effects Long term exposure mg/kg bw/day:** 22  
**Acute/short term exposure mg/kg bw/day:** nhi  
**General Population-Hazard via dermal route Local effects Long term exposure mg/kg bw/day:** 50% in mixture  
**Acute/short term exposure mg/kg bw/day:** 50% in mixture  
**General Population-Hazard via oral route Systemic effects Long term exposure mg/kg bw/day:** 12,3  
**Acute/short term exposure mg/kg bw/day:** nhi  
**General Population-Hazard for the eyes Local effects:** nhi

**Glycerol** CAS-Nr.: 56-81-5

**Workers-Hazard via inhalation route Systemic effects Long term exposure mg/m<sup>3</sup>:** no-threshold effect  
**Acute/short term exposure mg/m<sup>3</sup>:** 33  
**Workers - Hazard via inhalation route Local effects Long term exposure mg/m<sup>3</sup>:** 56  
**Acute/short term exposure mg/m<sup>3</sup>:** 33  
**Workers-Hazard via dermal route Systemic effects Long term exposure mg/kg bw/day:** no-threshold effect  
**Acute/short term exposure mg/kg bw/day:** 229  
**Workers - Hazard via dermal route Local effects Long term exposure mg/kg bw/day:** no-threshold effect  
**Acute/short term exposure mg/kg bw/day:** 229  
**Workers-Hazard for the eyes Local effects:** nhi

**General Population-Hazard via inhalation route Systemic effects Long term exposure mg/m<sup>3</sup>:** no-threshold effect  
**Acute/short term exposure mg/m<sup>3</sup>:** 33  
**General Population-Hazard via inhalation route Local effects Long term exposure mg/m<sup>3</sup>:** 33  
**Acute/short term exposure mg/m<sup>3</sup>:** 33  
**General Population-Hazard via dermal route Systemic effects Long term exposure mg/kg bw/day:** no-threshold effect  
**Acute/short term exposure mg/kg bw/day:** 229  
**General Population-Hazard via dermal route Local effects Long term exposure mg/kg bw/day:** no-threshold effect  
**Acute/short term exposure mg/kg bw/day:** 229  
**General Population-Hazard via oral route Systemic effects Long term exposure mg/kg bw/day:** 229  
**Acute/short term exposure mg/kg bw/day:** 229  
**General Population-Hazard for the eyes Local effects:** nhi

**PNEC-Values:**

**1-Butoxypropan-2-ol** CAS-Nr.: 5131-66-8

**fresh water mg/l:** 0,525  
**sediment fresh water mg/kg:** 2,36  
**marine water mg/l:** 0,052  
**sediment marine water mg/kg:** 0,236

**food chain mg/kg:** no potential for bioaccumulation  
**STP mg/l:** 10  
**dw (soil) mg/kg:** 0,16  
**air:** nhi

**Glycerol** CAS-Nr.: 56-81-5

**fresh water mg/l:** 0,885  
**sediment fresh water mg/kg:** 3,3  
**marine water mg/l:** 0,0885  
**sediment marine water mg/kg:** 0,33

**food chain mg/kg:** no potential for bioaccumulation  
**STP mg/l:** 1000  
**dw (soil) mg/kg:** 0,141  
**air:** no data

**8.2 Exposure controls**

**8.2.1. Appropriate engineering controls**

No special measures are necessary.

**8.2.2. Individual protection measures, such as personal protective equipment**

**(a) Eye/face protection**

**Eye protection:** not required.

**Protective clothing:** Body protection: not required.

**(b) Skin protection**

**i) Hand**

**protection:** No hand protective necessary, after handling the concentrated product wash hands immediately and put some creme on

**ii) Additional hand protection measures:**

No special measures are necessary.

**(c) Respiratory protection**

**Respiratory protection:** No personal respiratory protective equipment required.

**(d) Thermal hazards**

If the product is used in the usual way no thermal hazards will occur.

**8.2.3. Environmental exposure controls**

**Product related measures to prevent exposure**

No special measures. Use only for the purposes indicated on the label.

**Instructional measures to prevent exposure**

No special measures. Use only for the purposes indicated on the label.

**Organisational measures to prevent exposure**

Ensure possibility to inspect this safety data sheet.

**Technical measures to prevent exposure**

See chapter 7. No additional measures necessary.

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties for the whole mixture

(a) Physical state:	Liquid	(b) Colour:	clear
(c) Odour:	faint		
(d) Melting point:	<0°C	freezing point:	0°C
(e) Boiling point or initial boiling point and boiling range		> 100°C	
(f) Flammability (solid, gas):	Not flammable		
(g) Upper/lower flammability or explosive limits:			
Lower explosion limit (Vol-%):	no data available		
Upper explosion limit (Vol-%):	no data available		
(h) Flash point:	n.a.		
(i) Auto-ignition temperature:	No data available		
(j) Decomposition temperature:	No data available		
(k) pH (as supplied):	ca. 8		
(l) Viscosity (kinematic):	< 10 mm <sup>2</sup> /s		
(m) Water solubility(ies):	Miscible.		
(n) Partition coefficient n-octanol/water (log value):	No data available		
(o) Vapour pressure:	48hPa		
(p) Density and/or relative density:	ca. 1,0		
(q) Relative vapour density:	No data available		
(r) Particle characteristics:	Only apply to solids.		

### 9.2 Other information

No further parameters necessary.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known.

### 10.2 Chemical stability

The product is chemically stable under normal ambient conditions (temperature).

### 10.3 Possibility of hazardous reactions

If it is used in the usual way, no hazardous reactions are expected.

### 10.4 Conditions to avoid

Not known.

### 10.5 Incompatible materials

Acid Alkali (lye)  
Oxidising agent

### 10.6 Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

## SECTION 11: Toxicological information

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

(a) acute toxicity:

substance:

relevant LD/LC<sub>50</sub>-Values (mg/Liter)

Substance name	oral toxicity	dermal toxicity	inhalative toxicity
1-Butoxypropan-2-ol	>2000	>2000	kA
Glycerol	27200	56750	27,5

Data according to the technical substances.

mixture

ATEmix Oral >2000 no classification      ATEmix Dermal >2000 no classification      ATEmix Inhalative (vapour) >20 = no classification  
LD 50: -----      LD 50: -----      LD 50: -----

calculation, 1272/2008 Teil 3 3.1.2. Tab 3.1.1)

(b) skin corrosion/irritation:

non-irritant.

(c) serious eye damage/irritation:

non-irritant.

(d) respiratory or skin sensitisation:

In case of skin contact: not sensitising.

In case of inhalation: not sensitising.

(e) germ cell mutagenicity: based on available data, the classification criteria are not met

(f) carcinogenicity: based on available data, the classification criteria are not met

(g) reproductive toxicity: based on available data, the classification criteria are not met

(h) STOT-single exposure: based on available data, the classification criteria are not met

(i) STOT-repeated exposure: based on available data, the classification criteria are not met

(j) aspiration hazard: no aspiration hazard

### 11.2 Information on other hazards

11.2.1. Endocrine disrupting properties: The mixture does not contain substances > 0.1 % which have endocrine-disrupting properties.

11.2.2. Other information: No data available

**SECTION 12: Ecological information**

**12.1 Toxicity:**

**Aquatic toxicity**

Substance name	LC 50-Value Fish	LC 50-Value Daphnie	LC 50-Value Bacteria	Regulation of Exposure
1-Butoxypropan-2-ol	>2000	>2000	kA	Readily biodegradable
Glycerol	54000 mg/l (LC50) 96h (Salmo Gairdneri)	1955 mg/l (LC50) 48h(Daphnia magna)	2900 mg/l (EC50, 28d)(Scenedesmus quadricanda)	

Data according to the technical substances.

**12.2 Persistence and degradability**

Physicochemical and photo-chemical elimination: No data known.  
 Biodegradation: The individual components of the product are biodegradable.

**12.3 Bioaccumulative potential and 12.4 Mobility in soil**

Name	12.3 Bioaccumulative potential		12.4 Mobility in soil
	octanol-water partition coefficient (Kow)	bioconcentration factor (BCF)	soil adsorption coefficient (Koc)
1-Butoxypropan-2-ol	no data known	kA	no data known
Glycerol	-1,75	0,004183117	kA

**12.5 Results of PBT assessment:**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6 Endocrine disrupting properties:**

The product does not contain any substances with endocrine-disrupting properties.

**12.7. Other adverse effects**

Additional ecotoxicological information:  
 No other datas known.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

(a) Containers and methods including the appropriate methods of waste treatment  
 Waste disposal according to EC-regulation 2008/98/EG in the corresponding versions, covering waste and dangerous waste.

Mixture and packaging waste treatment:

Waste codes / waste designations according to EAK/AVV:

07 06 01 Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and ...

20 01 30 Separately collected fractions – detergents other than those mentioned in 20 01 29

Packaging disposal:

Delivery to an approved waste disposal company.

(b) Physical/chemical properties that may affect waste treatment options:

section 9

(c) Sewage disposal: No Sewage disposal

(d) Special precautions:

Do not mix with other wastes.

**SECTION 14: Transport information**

**14.1 UN number**

**14.2 UN proper shipping name**

No dangerous good in sense of these transport regulations.

**14.3 Transport hazard class(es)**

Class:

Classification code:

**14.4 Packing group:**

Tunnel restriction code: no

**14.5 Environmental hazards:**

ADR no

IMDG no

Marine pollutant: no

EMS-Nummer: no

IATA: no

**14.6 Special precautions for user:** no

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** not applicable

**SECTION 15: Regulatory information**

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

**EU regulations:**

Regulation (EG) Nr. 648/2004 (Detergents Regulation): The product fulfills the criteria defined in Regulation (EC) No. 648/2004

SVHC candidate list in accordance with the REACH Regulation Article 59 of the publication date of this material safety data sheet: no impurities > 0,1%

**National regulations:**

The employment prohibition for the working mothers and working adolescents are to be observed.

Water hazard class (WGK):      WGK 1      Weakly water-endangering.

VOC-value (in g/l):              30 g/Liter      (calculated)

**15.2 Chemical Safety Assessment:**

This mixture was not subjected to a chemical safety assessment.

**SECTION 16: Other Disclosures**

**(a) Revision of the safety data sheet**

This safety data sheet is a rebuild and has been completely redesigned. Therefore, no changes to the previous version is marked.

**(b) Abbreviations and acronyms used in the safety data sheet**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BImSchV	Immission Control
CAS	Chemical Abstracts Service
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DNEL	Derived No-Effect Level (REACH)
DIN	German Institute for Standardization
EAK/AVV	European Waste Catalogue / List of Wastes Ordinance
EINECS	European Inventory of Existing Commercial Chemical Substances
EG	European Community
EMS	Emergency Schedule
GGVS	Regulation dangerous goods road
IATA-DGR	International Air Transport Association-Dangerous Goods Regulations
IMDG-Code	International Maritime Code for Dangerous Goods
LC	Letale Concentration
LD	Letale Dosis
lh	low hazard
mh	medium hazard
nhi	no hazard identified
PBT	Persistent, bioaccumulative, toxic
PCB	Polychlorierte Biphenyle
RID	Regulations concerning the International Carriage of Dangerous Goods
UN	United Nations (Vereinte Nationen)
VOC	Volatile Organic Compounds (flüchtige organische Verbindungen)
vPvB	very persistent and very bioaccumulative
WGK	Water hazard class
n.a.	inapplicable
keiner	data scientifically not necessary/practicable
k.A.	no details available or inconclusive
hu	hazard unknown

**(c) Key literature references and sources for data**

The raw data shown are based on the information of suppliers and/or on information from the literature and/or on the data of ECHA (<http://echa.europa.eu/>)

**(d) Regulations**

REGULATION (EC) No. 1907/2006, including the last revised Regulation valid at the time of issue of the safety data sheet

Regulation (EC) No 1272/2008, including the last revised Regulation valid at the time of issue of the safety data sheet

**(e) Hazards identification refer to section 2 to 15**

According regulation (EC) Nr. 1272/2008:

**mixture:**

EUH210	EUH210	Safety data sheet available on request
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**Technical active ingredient:**

SkinIrrit. 2	H315	Skin irritation category 2	Causes skin irritation.
Eyelrrit. 2	H319	Eye irritation category 2	Causes serious eye irritation.

Method according to article 9 of the regulation (EC)1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008

**(f) Training appropriate for workers to ensure protection of human health and the environment:**

Instructions about hazards and safety measures should be given once a year or in the beginning of the work. The content and timing of the training should be in writing and confirmed by the instructed by signature. Observe retention period of the evidence.

**Recommended restrictions on use:**

Notice the directions for use on the label.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.