according to Regulation (EC) No. 830/2015

# NITRON HAMMER

Version 2.20

Revision Date 20.04.2017

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

#### 1.1 Product identifier

Trade name	:	NITRON HAMMER
Product code	:	L0290186

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

Use of the Substance/Mixture	:	Paints, varnishes and enamels
Substance/IVIAture		
Chemical nature	:	Mono compound enamel - finish coat

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

Company	: Lechler SpA
	Via Cecilio 17
	22100 Como- CO-
Telephone	: +39031586111
Telefax	: +39031586206
E-mail address	: safety@lechler.eu
Responsible/issuing person	

#### **1.4 Emergency telephone number**

Tel. +39-031-586301 - This telephone number is available during office hours only. (8.00-18.00)

This telephone number is available during office hours only. (8.00-18.00)

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2 Skin irritation, Category 2 Eye irritation, Category 2 Reproductive toxicity, Category 2 Specific target organ toxicity - single exposure, Category 3 H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H361d: Suspected of damaging the unborn child.
H336: May cause drowsiness or dizziness.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms			
Signal word	: Danger	<b>~ ~</b>	
Hazard statements	: H225 H315 H319 H336 H361d	Highly flammable liquid Causes skin irritation. Causes serious eye irr May cause drowsiness Suspected of damagin	itation. s or dizziness.
Precautionary statements	: <b>Prevention:</b> P201 P210 P233 P280	Obtain special instruct Keep away from heat, open flames and other smoking. Keep container tightly Wear protective gloves eye protection/ face pr	hot surfaces, sparks, ignition sources. No closed. s/ protective clothing/
	<b>Response:</b> P362 + P364 P370 + P378	Take off contaminated before reuse. In case of fire: Use dry or alcohol-resistant foa	v sand, dry chemical

Hazardous components which must be listed on the label:

- 67-64-1 acetone
- 108-88-3 toluene

### 2.3 Other hazards

None known. No hazards resulting from the material as supplied. The information required is contained in this Material Safety Data Sheet.

### **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

Chemical nature	: Liquid pigmented dispersion
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#### Hazardous components

Chemical Name	CAS-No.	Classification	Concentration
	EC-No.	(REGULATION (EC) No	[%]
	Registration number	1272/2008)	

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acetone	67-64-1 200-662-2 01-2119471330-49	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	>= 20 - < 25
4-methylpentan-2-one	108-10-1 203-550-1 01-2119473980-30	EUH066 Flam. Liq. 2; H225 Acute Tox. 4; H332 Eye Irrit. 2; H319 STOT SE 3; H335	>= 5 - < 10
xylene	1330-20-7 215-535-7 01-2119488216-32	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315	>= 5 - < 10
toluene	108-88-3 203-625-9 01-2119471310-51	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Repr. 2; H361d STOT SE 3; H336 STOT RE 2; H373 Asp. Tox. 1; H304	>= 5 - < 10
butanone	78-93-3 201-159-0 01-2119457290-43	EUH066 Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 1 - < 5
ethyl acetate	141-78-6 205-500-4 01-2119475103-46	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	>= 1 - < 5
Substances with a work	place exposure limit :		
isobutyl acetate	110-19-0 203-745-1 01-2119488971-22	Flam. Liq. 2; H225 STOT SE 3; H336	>= 5 - < 10
1-methoxy-2-propanol	107-98-2 203-539-1 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336	>= 5 - < 10
n-butyl acetate	123-86-4 204-658-1 01-2119485493-29	EUH066 Flam. Liq. 3; H226 STOT SE 3; H336	>= 1 - < 5

For the full text of the H-Statements mentioned in this Section, see Section 16.

### **SECTION 4: First aid measures**

4.1 Description of first aid measures

according to Regulation (EC) No. 830/2015

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General advice	<ul> <li>When symptoms persist or in all cases of advice.</li> <li>Never give anything by mouth to an unco</li> </ul>	
If inhaled	<ul> <li>Remove to fresh air.</li> <li>Keep patient warm and at rest.</li> <li>If breathing is irregular or stopped, admin respiration.</li> <li>If unconscious place in recovery position advice.</li> </ul>	
In case of skin contact	<ul> <li>Take off all contaminated clothing immedi Wash skin thoroughly with soap and wate skin cleanser.</li> <li>Do NOT use solvents or thinners.</li> <li>Put shower on working place</li> </ul>	
In case of eye contact	<ul> <li>Irrigate copiously with clean, fresh water f minutes, holding the eyelids apart. Seek medical advice.</li> <li>Put eye-washer on working place Remove contact lenses.</li> </ul>	<sup>;</sup> or at least 10
If swallowed	<ul> <li>If accidentally swallowed obtain immediat Do NOT induce vomiting. Keep at rest.</li> </ul>	e medical attention.
4.2 Most important symptoms and	l effects, both acute and delayed	
Symptoms	: No information available.	
Risks	: No information available.	
4.3 Indication of any immediate m	edical attention and special treatment needed	
Treatment	: The first aid procedure should be establis with the doctor responsible for industrial r Seek medical advice.	

# **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media	<ul> <li>Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</li> <li>Keep containers and surroundings cool with water spray.</li> </ul>
Unsuitable extinguishing media	: Do NOT use water jet.

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

according to Regulation (EC) No. 830/2015

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Specific hazards during firefighting	<ul> <li>As the product contains combustible will produce dense black smoke con products of combustion (see section Exposure to decomposition products health.</li> <li>Cool closed containers exposed to fi Collect contaminated fire extinguishi must not be discharged into drains.</li> <li>Fire residues and contaminated fire be disposed of in accordance with loce</li> </ul>	taining hazardous 10). s may be a hazard to ire with water spray. ing water separately. This extinguishing water must
5.3 Advice for firefighters		
Special protective equipment for firefighters	: Wear self-contained breathing appar necessary.	ratus for firefighting if

### **SECTION 6: Accidental release measures**

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

Personal precautions	<ul> <li>Solvent vapours are heavier than air and may spread along floors.</li> <li>Ensure adequate ventilation.</li> <li>Use personal protective equipment.</li> <li>Evacuate personnel to safe areas.</li> <li>Keep people away from and upwind of spill/leak.</li> <li>Ventilate the area.</li> </ul>
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### 6.2 Environmental precautions

Environmental precautions :	Try to prevent the material from entering drains or water courses.
	If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	<ul> <li>Clean with detergents. Avoid solvents. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises water (45 parts by volume)/ethanol or isopropanol (50 parts)/concentrated (d: 0.880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts)/water (95 parts).</li> </ul>
	Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly. Dam up.

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Soak up with inert absorbent material and dispose of as hazardous waste.

#### 6.4 Reference to other sections

Refer to section 15 for specific national regulation.

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling	:	Avoid exceeding of the given occupational exposure limits (see section 8). Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin, eyes and clothing. Smoking, eating and drinking should be prohibited in the application area. Avoid inhalation of vapour or mist. For personal protection see section 8. Thoroughly mix before using After using, store in a well-sealed container
Advice on protection against fire and explosion	:	Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. When transferring from one container to another apply earthing measures and use conductive hose material. No sparking tools should be used. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. No smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	<ul> <li>Observe label precautions.</li> <li>Containers which are opened must be carefully resealed and kept upright to prevent leakage.</li> <li>Solvent vapours are heavier than air and may spread along floors.</li> <li>Vapours may form explosive mixtures with air.</li> <li>Electrical installations / working materials must comply with the technological safety standards.</li> <li>Keep away from sources of ignition - No smoking.</li> </ul>
	Store between 5° an 35°C in a dry, well ventilated place away from source of heat, ignition and direct sunlight. Store in accordance with the particular national regulations.
Advice on common storage	: Keep away from oxidising agents and strongly acid or alkaline materials.

### 7.3 Specific end use(s)

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: This information is not available.

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

### 8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
acetone	67-64-1	TWA	500 ppm 1.210 mg/m3	2000-06-16	2000/39/EC
Further information	: Indicative				
4- methylpentan- 2-one	108-10-1	TWA	20 ppm 83 mg/m3	2000-06-16	2000/39/EC
Further information	: Indicative		·	·	·
mormation		STEL	50 ppm 208 mg/m3	2000-06-16	2000/39/EC
Further information	: Indicative		· · ·		
xylenes	1330-20-7	TWA	50 ppm 221 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Ident	ifies the pos	sibility of significant u	ptake through the skinli	ndicative
		STEL	100 ppm 442 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Ident	ifies the pos	sibility of significant u	ptake through the skinli	ndicative
isobutyl acetate	110-19-0	TWA	150 ppm	2007-01-01	ACGIH
1- methoxypropa n-2-ol	107-98-2	TWA	100 ppm 375 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Ident	ifies the pos	sibility of significant u	ptake through the skinli	ndicative
		STEL	150 ppm 568 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Ident	ifies the pos	sibility of significant u	ptake through the skinli	ndicative
toluene	108-88-3	TWA	50 ppm 192 mg/m3	2006-02-09	2006/15/EC
Further information	: skin: Ident	ifies the pos	sibility of significant u	ptake through the skinli	ndicative
-		STEL	100 ppm 384 mg/m3	2006-02-09	2006/15/EC
Further information	: skin: Ident	ifies the pos	sibility of significant u	ptake through the skinli	ndicative
butanone	78-93-3	TWA	200 ppm 600 mg/m3	2000-06-16	2000/39/EC
Further information	: Indicative		-		
		STEL	300 ppm	2000-06-16	2000/39/EC

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1	1	1	1	1	
			900 mg/m3		
Further information	: Indicative				
ethyl acetate	141-78-6	TWA	400 ppm		ACGIH
n-butyl	123-86-4	TWA	150 ppm	2007-01-01	ACGIH
acetate			713 mg/m3		
		STEL	200 ppm	2007-01-01	ACGIH
			950 mg/m3		

DNEL	
toluene	: End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 226 mg/m3
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects
	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 56,5 mg/m3
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects
n-butyl acetate	<ul> <li>End Use: Professional use Exposure routes: Skin contact Potential health effects: Local effects Exposure time: 8 h Value: 7 ppm</li> </ul>
	End Use: Professional use Exposure routes: Inhalation Potential health effects: Local effects Value: 48 mg/m3
PNEC	
toluene	: Fresh water Value: 0,68 mg/l
	Marine water Value: 0,68 mg/l
	Fresh water sediment Value: 16,39 mg/kg
	Marine sediment
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	Value: 16,39 mg/kg	
	Soil Value: 2,89 mg/kg	
n-butyl acetate	: Water Value: 0,18 mg/l	
	Soil Value: 0,093 mg/kg	
2 Exposure controls		
Personal protective equipme	ent	
Respiratory protection	<ul> <li>Apply technical measures to comply with exposure limits.</li> <li>This should be achieved by a good gener practically feasible- by the use of a local If the occupational exposure limits canno cases suitable respiratory equipment shou short period of time.</li> <li>Respirator with combination filter for variantee</li> </ul>	ral extraction and -if exhaust ventilation. of be met, in exceptional uld be worn only for a
Hand protection	<ul> <li>Solvent-resistant gloves (butyl-rubber) For prolonged or repeated contact use proprotective gloves complying with EN 37. Please observe the instructions regarding breakthrough time which are provided by gloves. Also take into consideration the sunder which the product is used, such as abrasion, and the contact time. If used in solution, or mixed with other s conditions which differ from EN 374, con CE approved gloves. Barrier creams may help to protect the ex should however not be applied once expon Skin should be washed after contact. Wash your hands and put on barrier cream</li> </ul>	4. permeability and y the supplier of the specific local conditions the danger of cuts, ubstances, and under ntact the supplier of the sposed areas of skin, they osure has occurred.
Eye protection	: Chemical resistant goggles must be worn	1.
Skin and body protection	: Skin should be washed after contact. Working clothes must not consist of texti dangerous melting behaviour in case of f Personnel should wear protective clothin Workers should wear antistatic footwear.	ìre. g.
Environmental exposure cor	itrols	
Environmental exposure cor		

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If the product contaminates rivers and lakes or drains inform respective authorities.

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Odour	: solvent-like
Flash point	: 0 - < 21 °C
Ignition temperature	: not determined
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Auto-ignition temperature	: not applicable
рН	: not determined
Freezing point	: not applicable
Boiling point	: not determined
Vapour pressure	: 1,000 hPa at 50 °C
Density	: 0,9198 g/cm3
Water solubility	: not determined
Partition coefficient: n- octanol/water	: No data available
Solubility in other solvents	: not determined
Flow time	: 41 s 4 mm Method: ASTM D 1200 '82
Relative vapour density	: not applicable
Evaporation rate	: not determined
9.2 Other information	
Solids by weight	: 33,45 %
Volatile organic compounds (VOC) content	: 66,54 %

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### **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

None reasonably foreseeable.

#### 10.2 Chemical stability

The product is chemically stable.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reactio	n known under conditions of normal use.
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#### 10.4 Conditions to avoid

Conditions to avoid	<ul> <li>Our products were manufactured in compliance with safety standards to avoid decomposition and degrading under the defined conditions.</li> <li>Taking the product type into account, it is advisable to leave the product in its original packaging thus avoiding transferring it.</li> </ul>
---------------------	--

### 10.5 Incompatible materials

Materials to avoid	: Keep away from oxidising agents, strongly alkaline and
	strongly acid materials in order to avoid exothermic reactions.

#### 10.6 Hazardous decomposition products

Hazardous decomposition products	: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.	
Thermal decomposition	: not applicable	

### **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

### **Product**

Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l, 4 h, vapour, Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2.000 mg/kg, Calculation method
Skin corrosion/irritation	:	Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin., The product may be absorbed through the skin.
Further information	:	The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

#### **Components:**

according to Regulation (EC) No. 830/2015

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acetone : Acute oral toxicity	: LD50: 5.800 mg/kg, rat		
Acute inhalation toxicity	: LC50: 21 ppm, 8 h, rat(female),		
<b>xylene :</b> Acute dermal toxicity	: Acute toxicity estimate: 1.100 mg/kg, Conv point estimate	verted acute toxicity	

# **SECTION 12: Ecological information**

# 12.1 Toxicity

Toxicity to fish	:	Remarks: No data is available on the product itself.
Toxicity to fish acetone	:	LC50: 4.042 mg/l Exposure time: 14 d Species: Fish
12.2 Persistence and degradability		
Biodegradability	:	No data available
12.3 Bioaccumulative potential		
Bioaccumulation	:	No data available
12.4 Mobility in soil		
Mobility	:	No data available

### 12.5 Results of PBT and vPvB assessment

according to Regulation (EC) No. 830/2015

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This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

Additional ecological	: There is no data available for this product.
information	

### **SECTION 13: Disposal considerations**

#### **13.1 Waste treatment methods**

Product	<ul> <li>The product should not be allowed to enter drains, water courses or the soil.</li> <li>Disposal together with normal waste is not allowed. Special disposal required according to local regulations.</li> </ul>
Contaminated packaging	<ul> <li>Empty containers should be taken to an approved waste handling site for recycling or disposal.</li> <li>According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.</li> <li>The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.</li> <li>The following Waste Codes are only suggestions: 150110*</li> </ul>

# **SECTION 14: Transport information**

### 14.1 UN number

ADR	: UN 1263
IMDG	: UN 1263
ΙΑΤΑ	: UN 1263

### 14.2 Proper shipping name

ADR	PAINT
IMDG	PAINT
IATA	Paint

### 14.3 Transport hazard class(es)

ADR	:	3
IMDG	:	3

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IATA	: 3	
14.4 Packing group		
ADR		
Packing group	: II	
Classification Code	: F1	
Hazard Identification Number	: 33	
Labels	: 3	
Special Provisions	: Special Provision 640D	
IMDG		
Packing group	: П	
Labels	: 3	
EmS Code	: F-E,S-E	
ІАТА		
Packing group	: П	
Labels	: 3	
14.5 Environmental hazards		
ADR		
Environmentally hazardous	: no	
IMDG		
Marine pollutant	: no	
IATA		
Environmentally hazardous	: no	
14.6 Special precautions for user		
not applicable		

# SECTION 15: Regulatory information

according to Regulation (EC) No. 830/2015

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

Subsi Conc	CH - Candidate List of tances of Very High ern for Authorisation le 59).	: not applicable
subje	CH - List of substances ct to authorisation ex XIV)	: not applicable
manu marke dange prepa	CH - Restrictions on the facture, placing on the et and use of certain erous substances, arations and articles ex XVII)	: Banned and/or restricted
Γ	107-98-2	1-methoxy-2-propanol
	108-88-3	toluene
_	123-86-4	n-butyl acetate
-	28553-12-0	di-"isononyl" phthalate
	78-83-1	2-methylpropan-1-ol
	1589-47-5	2-methoxypropanol

MAL-Code-Number (DK)	<ul><li>4-3 (1993)</li><li>2.150-m3 air/10 g Product contains low-boiling liquids. Respiratory protective equipment must be air supplied respirators.</li></ul>
Risk classification according to VbF	Flash point less than 21 °C, at 15 °C not miscible in water Specially dangerous flammable liquids
Water contaminating class (Germany)	water endangering VWVWS A4

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### **15.2** Chemical Safety Assessment

No data is available on the product itself.

### **SECTION 16: Other information**

Full text of H-Statements referred to under sections 2 and 3.

EUH066 Repeated exposure may cause skin dryness or cracking.

according to Regulation (EC) No. 830/2015

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H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H361d	Suspected of damaging the unborn child.	
H373	May cause damage to organs through prolonged or repeated exposi-	ure.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.