

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lotpaste SN96C RMA H-1 FDQ/SN97C RMA H-1 FDQ

Revision date: 08.11.2016

Product code: 950605

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Lotpaste SN96C RMA H-1 FDQ/SN97C RMA H-1 FDQ

Further trade names

This MSDS covers the following products:

Lotpaste SN96C RMA H-1 FDQ

Lotpaste SN97C RMA H-1 FDQ

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

Solder paste

Uses advised against

any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name: Balver Zinn Josef Jost GmbH & Co. KG

Street: Blintroper Weg 11

Place: D-58802 Balve

Telephone: +49 2375 915-0

Telefax: +49 2375 915-1700

Responsible Department: sds@balverzinn.com

1.4. Emergency telephone number:

Chemtrec: +44(0) 870-8200418

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements**Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

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

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
7440-31-5	tin			80 - < 85 %
	231-141-8			
65997-05-9	Rosin, oligomers			5 - < 10 %
	500-163-2			
7440-22-4	silver			1 - < 5 %
	231-131-3		01-2119555669-21	
107-41-5	2-methylpentane-2,4-diol			1 - < 5 %
	203-489-0	603-053-00-3		
	Skin Irrit. 2; Eye Irrit. 2; H315 H319			
144413-22-9	complex reaction mass of Chinese gum rosin post reacted with acrylic acid			1 - < 5 %
	434-230-1	607-682-00-4		
	Aquatic Chronic 4; H413			
8000-41-7	Terpineol			1 - < 5 %
	232-268-1			
	Skin Irrit. 2; Eye Irrit. 2; H315 H319			
7440-50-8	copper			< 1 %
	231-159-6			

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

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Wash immediately with: Water and soap. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if

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symptoms are observed, get medical advice.

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

refer to chapter 2 and 11.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Sand
Extinguishing powder
D -powder

Unsuitable extinguishing media

Extinguishing media which must not be used for safety reasons:
Water
High power water jet
Water spray jet

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Gas/vapours, irritant. Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Metal oxide smoke, toxic

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Use water spray jet to protect personnel and to cool endangered containers.
Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ventilate affected area.
Do not breathe smoke. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Wear personal protection equipment. (See section 8.)

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically.
Treat the recovered material as prescribed in the section on waste disposal.
Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation.
Do not breathe smoke. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Wear suitable protective clothing. (See section 8.)

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Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: See section 8.

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

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

Keep/Store only in original container.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Protect against: UV-radiation/sunlight. heat. moisture. frost.

storage temperature: refer to specifications.

7.3. Specific end use(s)

refer to chapter 1.

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

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-41-5	2-Methylpentane-2,4-diol	25	123		TWA (8 h)	WEL
		25	123		STEL (15 min)	WEL
7440-50-8	Copper, dusts and mists (as Cu)	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL
7440-50-8	Copper, fume	-	0.2		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
7440-22-4	Silver, metallic	-	0.1		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

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DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
7440-31-5	tin			
Consumer DNEL, long-term		inhalation	systemic	3,476 mg/m ³
Consumer DNEL, acute		inhalation	systemic	3,476 mg/m ³
Worker DNEL, long-term		inhalation	systemic	11,75 mg/m ³
Worker DNEL, acute		inhalation	systemic	11,75 mg/m ³
Consumer DNEL, long-term		dermal	systemic	80 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	133,3 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	80 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	133,3 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	80 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	80 mg/kg bw/day
65997-05-9	Rosin, oligomers			
Consumer DNEL, long-term		oral	systemic	10 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	117 mg/m ³
Worker DNEL, long-term		dermal	systemic	17 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	10 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	35 mg/m ³
7440-22-4	silver			
Consumer DNEL, long-term		oral	systemic	1,2 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	0,1 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	0,04 mg/m ³
107-41-5	2-methylpentane-2,4-diol			
Worker DNEL, long-term		inhalation	systemic	14 mg/m ³
Worker DNEL, long-term		inhalation	local	49 mg/m ³
Worker DNEL, acute		inhalation	local	98 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	3,5 mg/m ³
Worker DNEL, long-term		dermal	systemic	2 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	1 mg/kg bw/day
Consumer DNEL, long-term		inhalation	local	25 mg/m ³
Consumer DNEL, acute		inhalation	local	49 mg/m ³
Consumer DNEL, long-term		oral	systemic	1 mg/kg bw/day
8000-41-7	Terpineol			
Worker DNEL, long-term		inhalation	systemic	5,8 mg/m ³
Worker DNEL, long-term		dermal	systemic	1,17 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,25 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,42 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,42 mg/kg bw/day

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7440-50-8	copper			
Worker DNEL, acute		dermal	systemic	273 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	273 mg/kg bw/day
Consumer DNEL, acute		inhalation	systemic	20 mg/m ³
Worker DNEL, long-term		inhalation	local	1 mg/m ³
Consumer DNEL, long-term		dermal	systemic	137 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	137 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	20 mg/m ³
Consumer DNEL, long-term		inhalation	local	1 mg/m ³

PNEC values

CAS No	Substance	Value
Environmental compartment		Value
65997-05-9	Rosin, oligomers	
Freshwater		0,0016 mg/l
Marine water		0,00016 mg/l
Freshwater sediment		0,007 mg/kg
Marine sediment		0,0007 mg/kg
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
Soil		0,00045 mg/kg
7440-22-4	silver	
Soil		1,41 mg/kg
Freshwater		0,00004 mg/l
Marine sediment		438,13 mg/kg
Freshwater sediment		438,13 mg/kg
Marine water		0,00086 mg/l
Micro-organisms in sewage treatment plants (STP)		0,025 mg/l
107-41-5	2-methylpentane-2,4-diol	
Freshwater sediment		1,79 mg/kg
Soil		0,11 mg/kg
Freshwater		0,429 mg/l
Marine water		0,0429 mg/l
Marine sediment		0,179 mg/kg
Secondary poisoning		100 mg/kg
Micro-organisms in sewage treatment plants (STP)		20 mg/l
8000-41-7	Terpineol	
7440-50-8	copper	
Freshwater sediment		87 mg/kg
Marine water		0,0052 mg/l
Freshwater		0,0078 mg/l
Marine sediment		678 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,23 mg/l
Soil		65 mg/kg

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8.2. Exposure controls



Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Protective and hygiene measures

The usual precautions for handling chemicals should be considered.

Keep away from food, drink and animal feedingstuffs.

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Protect skin by using skin protective cream. Take off contaminated clothing.

Eye/face protection

Recommended eye protection brand: Tightly sealed safety glasses. (DIN EN 166)

Hand protection

In case of prolonged or frequently repeated skin contact: Wear suitable gloves.

for coarse soldering works: heat insulating.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

In the case of wanting to use the gloves again, clean them before taking off and air them well. Before using check leak tightness / impermeability.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Protective clothing (heat-resistant)

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

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation.

exceeding exposure limit values

Suitable respiratory protective equipment: Combination filter device (DIN EN 141).. Type: A-P2/3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

Environmental exposure controls

No special precautionary measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	metallic, grey
Odour:	characteristic.

Test method

pH-Value: not determined

Changes in the physical state

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Melting point: not determined
Initial boiling point and boiling range: not determined
Flash point: not determined

Explosive properties
none

Lower explosion limits: not determined
Upper explosion limits: not determined
Decomposition temperature: not determined

Oxidizing properties
none.

Vapour pressure:
(at 20 °C) not determined
Density: not determined
Water solubility: not miscible

Solubility in other solvents
not determined

Viscosity / dynamic:
(at 20 °C) not determined

Viscosity / kinematic:
(at 20 °C) not determined

Flow time: not determined

Vapour density: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

Stable under normal storage and handling conditions.

10.3. Possibility of hazardous reactions

Reacts with : Strong acid, Oxidising agent

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong acid. strong alkalis.

10.6. Hazardous decomposition products

Can be released in case of fire: Gas/vapours, irritant. Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Metal oxide smoke, toxic

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No data available.

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Acute toxicity

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

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
7440-31-5	tin			
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier
	inhalative (4 h) aerosol	LC50 (>4,75) mg/l	Rat	ECHA Dossier
65997-05-9	Rosin, oligomers			
	oral	LD50 >4000 mg/kg	Mouse.	MSDS extern.
	dermal	LD50 >2000 mg/kg	Rabbit	MSDS extern.
7440-22-4	silver			
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier
	inhalative (4 h) aerosol	LC50 >5,16 mg/l	Rat	ECHA Dossier
107-41-5	2-methylpentane-2,4-diol			
	oral	LD50 >2000 mg/kg	Rat (OECD 420)	ECHA Dossier
	dermal	LD50 >2000 mg/kg	Rabbit (OECD 402)	ECHA Dossier
144413-22-9	complex reaction mass of Chinese gum rosin post reacted with acrylic acid			
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier
8000-41-7	Terpineol			
	oral	LD50 2000 mg/kg	Rat (OECD 401)	ECHA Dossier
	dermal	LD50 2000 mg/kg	Rat (OECD 402)	ECHA Dossier
7440-50-8	copper			
	inhalative (4 h) aerosol	LC50 >5,11 mg/l	Rat	ECHA Dossier

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

2-methylpentane-2,4-diol (CAS-No.: 107-41-5):

In-vitro mutagenicity: No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity:

Species: Sprague-Dawley Rat.

Method: OECD Guideline 421

Result: NOAEL = 1000 mg/kg/day (female.), = 200 mg/kg/day (male.)

Developmental toxicity/teratogenicity:

Exposure time: 10d

Species: Sprague-Dawley Crl CD (SD) IGS BR Rat.

Method: OECD Guideline 414

Result: NOAEL = 300 mg/kg/day

literature information: ECHA Dossier

complex reaction mass of Chinese gum rosin post reacted with acrylic acid (CAS No. 144413-22-9):

In-vitro mutagenicity:

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative.

literature information: ECHA Dossier

Terpineol (CAS-No.: 8000-41-7):

In-vitro mutagenicity: No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity:

Exposure time: >14d

Species: Sprague-Dawley Rat.

Method: OECD Guideline 422

Result: NOAEL = 250 mg/kg/day

Developmental toxicity/teratogenicity:

Exposure time: 21d

Species: Sprague-Dawley Rat.

Method: OECD Guideline 414

Result: NOAEL = 600 mg/kg/day

literature information: ECHA Dossier

STOT-single exposure

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

STOT-repeated exposure

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

2-methylpentane-2,4-diol (CAS-No.: 107-41-5):

Subchronic oral toxicity:

Exposure time: 90d

Species: Sprague-Dawley Crl CD (SD) IGS BR Rat.

Method: OECD Guideline 408

Result: NOAEL = 450 mg/kg/day

literature information: ECHA Dossier

Aspiration hazard

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

Specific effects in experiment on an animal

No data available.

SECTION 12: Ecological information**12.1. Toxicity**

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CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
107-41-5	2-methylpentane-2,4-diol				
	Acute fish toxicity	LC50 8690 mg/l	96 h	Pimephales promelas (OECD 203)	ECHA Dossier
	Acute algae toxicity	ErC50 >429 mg/l	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier
	Acute crustacea toxicity	EC50 5410 mg/l	48 h	Daphnia magna (OECD 202)	ECHA Dossier
	Acute bacteria toxicity	(3070 mg/l)		Pseudomonas aeruginosa	ECHA Dossier
144413-22-9	complex reaction mass of Chinese gum rosin post reacted with acrylic acid				
	Acute algae toxicity	ErC50 (>0,49) mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50 (>1) mg/l	48 h	Daphnia magna	ECHA Dossier

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
107-41-5	2-methylpentane-2,4-diol			
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	81%	28	ECHA Dossier
	Product is biodegradable.			
144413-22-9	complex reaction mass of Chinese gum rosin post reacted with acrylic acid			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	25%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			
8000-41-7	Terpineol			
	OECD Guideline 310	80%	28	ECHA Dossier
	Product is biodegradable.			

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
65997-05-9	Rosin, oligomers	>6,5
107-41-5	2-methylpentane-2,4-diol	0,58
144413-22-9	complex reaction mass of Chinese gum rosin post reacted with acrylic acid	>6,04
8000-41-7	Terpineol	2,6

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to EAKV, allocation of waste identity

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numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to EAKV:

Waste disposal number of waste from residues/unused products

160304 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes other than those mentioned in 16 03 03

Waste disposal number of used product

160304 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes other than those mentioned in 16 03 03

Waste disposal number of contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

Recommended cleaning agent: Water, if necessary together with cleansing agents.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Inland waterways transport (ADN)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Marine transport (IMDG)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: Not restricted
14.2. UN proper shipping name: Not restricted
14.3. Transport hazard class(es): Not restricted
14.4. Packing group: Not restricted

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

See section 8.

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

not relevant.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

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EU regulatory information

2010/75/EU (VOC): No information available.
2004/42/EC (VOC): No information available.
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].
REACH 1907/2006 Appendix XVII, No: not relevant

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

Additional information

Observe technical data sheet.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Rev. 1.00; 19.05.2015, Initial release
Rev. 1.1; 10.06.2016, Documentation of changes: chapter: 15, 16.
Rev. 1.2; 08.11.2016, Documentation of changes: chapter: 1, 8, 16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
CAS Chemical Abstracts Service
DNEL: Derived No Effect Level
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect level
NTP: National Toxicology Program
N/A: not applicable
OSHA: Concerning the International Transport of Dangerous Goods by Rail)
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SARA: Superfund Amendments and Reauthorization Act
SVHC: substance of very high concern
TRGS Technische Regeln für Gefahrstoffe
TSCA: Toxic Substances Control Act
VOC: Volatile Organic Compounds

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lotpaste SN96C RMA H-1 FDQ/SN97C RMA H-1 FDQ

Revision date: 08.11.2016

Product code: 950605

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VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

Relevant H and EUH statements (number and full text)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H413	May cause long lasting harmful effects to aquatic life.
EUH210	Safety data sheet available on request.

Further Information

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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