SDS Service Summary

No.: CANEC2222803302 Date: 23 Apr 2023

This SDS is to supersede SDS CANEC2222803301

SGS Job No.	:	SHAEC22152029(SP22-025088)
Product Name	:	HOT STAMPING FOIL/COLD STAMPING FOIL
Manufacturer / Supplier	:	SUQIAN HUASHENG NEW MATERIAL CO.,LTD
Composition/Ingredient of product (as per applicant submission)	:	See *section 3 Composition/information on ingredients* on the SDS
Job Receiving Date	:	25 Oct 2022
SDS Preparation Period	:	25 Oct 2022-26 Oct 2022
Service Requested	:	Preparation of Safety Data Sheet (SDS) for the product with submitted information, with calculation of the classification and labeling requirement according to the submitted composition and European Commission Regulation (EC) No 1272/2008.
Summary	:	As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2020/878, and is provided per attached.

This SDS updates Manufacturer / Supplier.

Disclaimer

This Safety Data Sheet (SDS) is provided to applicant to fulfill European Commission Regulation (EC) No 1907/2006 and communicate the hazard information of chemicals through the supply chain to ensure safe use. It is not a test report or a certificate ensuring the safety of a product.
SGS has consolidated product information based on documents provided by Applicant (i.e. product name, the supplier details, product composition, available physical data, etc.) without independent verification from SGS. The information is provided without any warranty, express or implied, regarding its correctness.

Zm guan
Project Engineer

Safety data sheet
Regulation (EC) 1907/2006 and 1272/2008

Printing date: 23.04.2023 *Version number: 1* *Revision date: 23.04.2023*

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

· **1.1 Product identifier**

· **Trade name: HOT STAMPING FOIL/COLD STAMPING FOIL**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Application of the substance / the mixture:** FOR PAPER,PLASTIC,TEXTILE,LEATHER

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer / Supplier:** SUQIAN HUASHENG NEW MATERIAL CO.,LTD
· **Full address:**
NO.88, SHUANGXING AVENUE,HUBIN NEW DISTRICT,SUQIAN CITY, JIANGSU P.R. 223808, CHINA
· **Phone number:** 0527-82860665
· **Email:** lisa@laserfoils.com

· **Only Representative / other EU contact point:** Not available

· **1.4 Emergency telephone number:**
IRELAND
National Poisons Information Centre
Tel: +353 (01) 809 2566 (For healthcare professionals)
+353 (01) 809 2166 (For public; 8am - 10pm)

· **1.5 Reference Number:** CANEC2222803302,SHAEC22152029(SP22-025088)

· **1.6 Remark:**
This product is likely to be classified as article with substances not intended to be released and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for applicant's reference only.

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Repr. 2 H361d Suspected of damaging the unborn child.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

· **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of Regulation (EC) No.1272/2008.

· **Classification system:**
The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No. 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**



GHS07 GHS08

· **Signal word** Warning

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Trade name: HOT STAMPING FOIL/COLD STAMPING FOIL

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· **Hazard-determining components of labelling:**
Toluene
· **Hazard statements**
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
· **Precautionary statements**

P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards:**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable

· **Determination of endocrine-disrupting properties**		
78-93-3	butanone	List II

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to section 16.

· **Composition:**

CAS: 25038-59-9	Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl)	65.95%
CAS: 25035-69-2	2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and methyl 2-methyl-2-propenoate	10%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5	Ethanol Flam. Liq. 2, H225 Substance with a Union workplace exposure limit	9%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 Substance with a Union workplace exposure limit. Substance identified as having endocrine disrupting properties (II).	6%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3	Toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336 Note: 4 Substance with a Union workplace exposure limit	5%
CAS: 109-94-4 EINECS: 203-721-0 Index number: 607-015-00-7	ethyl formate Flam. Liq. 2, H225; Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335 Substance with a Union workplace exposure limit	4%
CAS: 108-94-1 EINECS: 203-631-1 Index number: 606-010-00-7	cyclohexanone Flam. Liq. 3, H226; Acute Tox. 4, H332 Substance with a Union workplace exposure limit	0.05%

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Generally the product does not irritate the skin.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed:**
No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO_2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

· **5.3 Advice for firefighters**
· **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

· **6.4 Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling:**
Open and handle receptacle with care.
For the general occupational hygienic measures refer to Section 8.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Store away from foodstuffs.
· **Further information about storage conditions:** Keep container tightly sealed.

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· **7.3 Specific end use(s):** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
CAS: 64-17-5 Ethanol (9%)	
AGW (Germany)	Long-term value: 380 mg/m³, 200 ppm 4(II);DFG, Y
VLEP (France)	Short-term value: 9500 mg/m³, 5000 ppm Long-term value: 1900 mg/m³, 1000 ppm
OEL (Ireland)	Short-term value: 1000 ppm
CAS: 78-93-3 butanone (6%)	
IOELV (EU)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm
AGW (Germany)	Long-term value: 600 mg/m³, 200 ppm 1(I);DFG, EU, H, Y
VLEP (France)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm risque de pénétration percutanée
OEL (Ireland)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, IOELV
CAS: 108-88-3 Toluene (5%)	
IOELV (EU)	Short-term value: 384 mg/m³, 100 ppm Long-term value: 192 mg/m³, 50 ppm Skin
AGW (Germany)	Long-term value: 190 mg/m³, 50 ppm 2(II);DFG, EU, H, Y
VLEP (France)	Short-term value: 384 mg/m³, 100 ppm Long-term value: 76.8 mg/m³, 20 ppm R2, risque de pénétration percutanée
OEL (Ireland)	Short-term value: 384 mg/m³, 100 ppm Long-term value: 192 mg/m³, 50 ppm Sk, IOELV
CAS: 109-94-4 ethyl formate (4%)	
AGW (Germany)	Long-term value: 310 mg/m³, 100 ppm 1(I);DFG, H, Y
VLEP (France)	Long-term value: 300 mg/m³, 100 ppm
OEL (Ireland)	Short-term value: 100 ppm
CAS: 108-94-1 cyclohexanone (0.05%)	
IOELV (EU)	Short-term value: 81.6 mg/m³, 20 ppm Long-term value: 40.8 mg/m³, 10 ppm Skin
AGW (Germany)	Long-term value: 80 mg/m³, 20 ppm 1(I);AGS, EU, H, Y
VLEP (France)	Short-term value: 81.6 mg/m³, 20 ppm Long-term value: 40.8 mg/m³, 10 ppm
OEL (Ireland)	Short-term value: 81.6 mg/m³, 20 ppm Long-term value: 40.8 mg/m³, 10 ppm Sk, IOELV

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· **Regulatory information**
AGW (Germany): TRGS 900
VLEP (France): ED 1487 05.2021
OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work
IOELV (EU): (EU) 2019/1831
· **DNELs:** Not available
· **PNECs:** Not available

· **Ingredients with biological limit values:**	
CAS: 78-93-3 butanone	
BGW (Germany)	2 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: 2-Butanon
CAS: 108-88-3 Toluene	
BGW (Germany)	600 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: unmittelbar nach Exposition Parameter: Toluol 1.5 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende, bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten Parameter: o-Kresol (nach Hydrolyse) 75 µg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Toluol

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.
· **Appropriate engineering controls:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
See Section 7 for information about design of technical facilities.

· **Individual protection measures, such as personal protective equipment**
· **Respiratory protection:** Not required.
· **Hand protection:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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· **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye/face protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing
· **Thermal hazards:** Not required for normal conditions of use.
· **Environmental exposure controls:**
Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **Physical state:**	Solid
· **Colour:**	Gold
· **Odour:**	Odorless
· **Odour threshold:**	Not available
· **Melting point/Freezing point:**	Not available
· **Boiling point or initial boiling point and boiling range:**	Not available
· **Flammability:**	Not available
· **Lower and upper explosion limit**	
· **Lower:**	Not available
· **Upper:**	Not available
· **Flash point:**	Not available
· **Auto-ignition temperature:**	Not available
· **Decomposition temperature:**	Not available
· **pH:**	Not available
· **Viscosity**	
· **Kinematic viscosity:**	Not available
· **Dynamic viscosity:**	Not available
· **Solubility**	
· **Water:**	Not available
· **Partition coefficient n-octanol/water (log value):**	Not available
· **Vapour pressure:**	Not available
· **Density and/or relative density**	
· **Density:**	Not available
· **Relative density:**	Not available
· **Relative vapour density:**	Not available
· **Particle characteristics:**	Not available

· **9.2 Other information**	
· **Appearance**	
· **Form:**	Solid

· **Information with regard to physical hazard classes**	
· **Explosives:**	Not applicable
· **Flammable gases:**	Not applicable

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· **Aerosols:**	Not applicable
· **Oxidising gases:**	Not applicable
· **Gases under pressure:**	Not applicable
· **Flammable liquids:**	Not applicable
· **Flammable solids:**	Not applicable
· **Self-reactive substances and mixtures:**	Not applicable
· **Pyrophoric liquids:**	Not applicable
· **Pyrophoric solids:**	Not applicable
· **Self-heating substances and mixtures:**	Not applicable
· **Substances and mixtures, which emit flammable gases in contact with water:**	Not applicable
· **Oxidising liquids:**	Not applicable
· **Oxidising solids:**	Not applicable
· **Organic peroxides:**	Not applicable
· **Corrosive to metals:**	Not applicable
· **Desensitised explosives:**	Not applicable
· **Other safety characteristics:**	Not available

SECTION 10: Stability and reactivity

· **10.1 Reactivity:** No further relevant information available.

· **10.2 Chemical stability:** No further relevant information available.

· **10.3 Possibility of hazardous reactions:** No dangerous reactions known.

· **10.4 Conditions to avoid:** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity**

· **LD/LC50 values relevant for classification:**		
CAS: 64-17-5 Ethanol		
Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)
CAS: 108-88-3 Toluene		
Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)
CAS: 109-94-4 ethyl formate		
Oral	LD50	1,850 mg/kg (rat)

· **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation:** Causes serious eye irritation.
· **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
· **Carcinogenicity:** Based on available data, the classification criteria are not met.
· **Reproductive toxicity:** Suspected of damaging the unborn child.
· **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.

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· **Aspiration hazard:** Based on available data, the classification criteria are not met.
· **11.2 Information on other hazards**

· **Endocrine disrupting properties:**		
78-93-3	butanone	List II

· **Other information:** No further relevant information available.

SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability:** No further relevant information available.

· **12.3 Bioaccumulative potential:** No further relevant information available.

· **12.4 Mobility in soil:** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable
· **12.6 Endocrine disrupting properties:** For information on endocrine disrupting properties see section 11.

· **12.7 Other adverse effects:** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation:**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN number or ID number**	
· **ADR/RID/ADN, IMDG, IATA**	Not applicable
· **14.2 UN proper shipping name**	
· **ADR/RID/ADN, IMDG, IATA**	Not applicable
· **14.3 Transport hazard class(es)**	
· **ADR/RID/ADN, IMDG, IATA**	
· **Class**	Not applicable
· **Label**	-
· **14.4 Packing group**	
· **ADR/RID/ADN, IMDG, IATA**	Not applicable
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user:**	Not applicable
· **Hazard identification number (Kemler code):**	-
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable
· **14.8 Transport/Additional information:**	Not applicable

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· ***UN "Model Regulation":*** *Not applicable*

SECTION 15: Regulatory information

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

· ***Directive 2012/18/EU***
· ***Named dangerous substances - ANNEX I*** *None of the ingredients is listed.*
· ***Seveso category*** *Not applicable*
· ***Qualifying quantity (tonnes) for the application of lower-tier requirements*** *Not applicable*
· ***Qualifying quantity (tonnes) for the application of upper-tier requirements*** *Not applicable*

· ***REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)***
None of the ingredients is listed.

· ***Regulation (EU) No 649/2012***
None of the ingredients is listed.

· ***REGULATION (EU) 2019/1148***

· ***Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))***
None of the ingredients is listed.

· ***Annex II - REPORTABLE EXPLOSIVES PRECURSORS***
None of the ingredients is listed.

· ***Regulation (EC) No 273/2004 on drug precursors***

78-93-3	*butanone*	*3*
108-88-3	*Toluene*	*3*

· ***Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors***

78-93-3	*butanone*	*3*
108-88-3	*Toluene*	*3*

· ***REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone-depleting potential)***
None of the ingredients is listed.

· ***Other regulations, limitations and prohibitive regulations***

· ***SVHC Candidate List of REACH Regulation Annex XIV Authorisation (17/1/2023)***
None of the ingredients is listed

· ***REACH Regulation Annex XVII Restriction (13/12/2021)***
See Section 16 for information about restriction of use.
None of the ingredients is listed

· ***REACH Regulation Annex XIV Authorisation List (8/4/2022)***
None of the ingredients is listed

· ***15.2 Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

· ***Recommended restriction of use*** *Not applicable*

· ***Relevant hazard statements***
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.

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H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
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 exposure.
EUH066 Repeated exposure may cause skin dryness or cracking.

· **Classification according to Regulation (EC) No. 1272/2008**

Serious eye damage/eye irritation Reproductive toxicity	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No. 1272/2008.

· **********

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

DISCLAIMER OF LIABILITY
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· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
· **********

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