



Safety Data Sheet

According to GB/T 16483-2008 & UN GHS 4.0 revision

Date created:: 01/15/2016

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Revision No. : 3.0

1. Chemicals and Identification

1.1 products validation

product name	soldering flux paste
descriptions	Oil-based
identifying information	unknown

1.2 recommended and restrictions on use

1.2.1 recommended	Flux for metal brazing
1.2.2 restrictions	unknown

1.3 Supplier information

Manufacturer	NINGBO XIHAN TIN SOLDER CO.,LTD.
Address	South 371, Dongshao, Zhuangqiao, Jiangbei , Ningbo of China
Mail box	zhouyajun@solderchina.com
TEL	+86-574-87577700
FAX	+86-574-87577758

1.4Emergency calls	+86-574-87560866
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2. Hazards summarizing

2.1 classification of substances and mixture

2.1.1 GHS hazards classification

physical hazards	Combustible	
health hazards	Inhalation hazard	category 1
	Respiratory sensitization	category 1B
	Corrosion/skin stimulation	category 1C
environmental hazards	Harm aquatic environment- long term harm	category 2

2.2 Label element

pictogram



Warning words	Danger
hazard statement	Inhalation and if swallowed May cause sensitization by skin contact Vapours may cause drowsiness and dizziness
Precautionary statement	
precautionary measure	Stay away from the fire Don't inhale smoke and vapour

Washing hands thoroughly after handling.
 Don't eat and drink when soldering
 wear gloves/goggles/face guard.

accident response
 After swallowing, induce vomiting if person is conscious, seek medical help.
 After skin contact, immediately wash with soap and rinse.
 After inhalation: supply fresh air, keep breathing smooth.
 If into eyes, the eyes rinse immediately with plenty of water.
 In fire, spray water or use foam, dry chemical, carbon dioxide to put out a fire .

storage
 Stored in dry shade

disposal
 According to local regulations

3. composition information

material or mixture: mixture

Composition:

chemical name	CAS	(%) content
White medical vaseline	8009-03-8	rest
Zinc chloride	7646-85-7	4-6%
Paraffine wax	8002-74-2	6-9%

4. first-aid measures

4.1 summarize

inhalation Supply fresh air, keep breathing smooth. If difficult in breath, oxygen; if respiratory arrest, artificial respiration then hospitalize.

skin contact immediately wash with soap and rinse

eye contact opened eye lip, Rinse under running water, see doctor.

ingestion If person is conscious, induce vomiting, see medical help.

4.2 acute and late effects Inhalation may damage respiratory tract

4.3 First-aid personnel protection Let medical staffs know involved matter, to take measures to protect themselves.

4.4 Special tips for doctor Provide general measures, according to the treatment of symptoms

5. fire-fighting measures

5.1 out-fire method and extinguishing agent Spray water, foam, dry chemical, carbon dioxide

improper unknown

5.2 special risk Heated to break down, or under the condition of fire, will release carbon dioxide, aliphatic aldehydes.

6. Accidental release measure

6.1 personal precautions Ensure adequate ventilation, Avoiding contact with eye and skin, and inhalation

6.2 environmental precautions Do not allow product to reach sewage or any water course to prevent the pollution of

surface water and groundwater.

6.3 Leakage take in and cleaning method No leak

6.4 Secondary hazard prevention measures No special advice.

7. handling and storage

7.1 handling

technical measures No special advice.

partial or full ventilation Adequate ventilation

precautionary measures Develop healthy habit, avoid contact with skin and eyes. Washing after handling, equipped personal protection device. Washing hands and avoiding inhalation.

operation instruction Introduce personal protection from SDS part 8.

7.2 safe storage

technical measures Far away from fire source, high temperature.

condition Dry and cool space

should be away Unknown

packing materials Plastic or iron box

8. contact controls and personal protection

8.1 contact controls

8.1.1 allowed concentration unknown

8.1.2 Eng control way According to good industrial hygiene and safety practice, wash hands after handling or in break.

8.2 personal protection device

respiratory system protection Avoid inhalation of steam, pls wear mask

hand protection PLS wear gloves or finger cot

eye protection May contact eyes, pls wear glasses

skin and body protection pls in anti-static overalls

sanitary measures Before break and after handling washing hands immediately. Operation based on good industrial hygiene and safety practice.

9. physical and chemical properties

9.1 general information

apperance Faintly yellow solid

physical state solid

shape pasty

smell Mild irritating smell

PH value Less than 5

melting point 36-60°C

boiling point 302°C

flash point 182-221°C

autoignition temperature unknown

(%) : combustion limits-floor level unknown

(%) : upper level unknown

(%) : explosion limits-floor level	0.9%
(%) : explosion limits-upper level	7%
density	0.9g/cm ³ (water=1)
solubleness	insoluble in water
9.2 other dates	
solubility	unknown
smell threshold value	unknown
evaporation rate	unknown
ignitability(solid, gas)	unknown
surface tension	unknown
light temperature	290°C
viscosity	unknown
molecular formula	unknown
molecular weight	Unknown

10. stability and reactivity

10.1 stability	Under the normal temperature
10.2 The possibility of risk response	No hazardous reaction under normal use
10.3 should be avoided	The open fire
10.4 incompatible substances	unknown
10.5 harmful decomposition products	carbon dioxide

11. toxicological information

Acute toxicity	Zinc chloride	1100mg/kg	Oral rat(LD50)	EU-RAR
		173mg/kg	Hypodermic Guinea pig(LD50)	IUCLID
	Paraffin wax	> 5000/kg	Oral rat (LD50)	IUCLID
		> 3600/kg	Hypodermic rabbit(LD50)	IUCLID

***Zinc chloride: harmful if swallowed. Fatal if inhaled. Fatal in contact with skin.

skin irritation or corrosion	Classified 1C
eye irritation or corrosion	Classified 2A
respiration or skin sensibility	Airway sensitization1B, skin sensitizer 1B
germ cell mutagenicity	unclassified
carcinogenicity	unclassified
reproduction toxicity	unclassified
Specific target organ system toxicity- One-off contact	unclassified
Specific target organ system toxicity- Repeating contact	unclassified
inhalation risk	Classified 1

12. ecology information

12.1 ecotoxicity

fish	No information available
daphnia	No information available
Algae	No information available
Crustacean	<Zinc chloride> 0.1mg/l-48hr Daphnia magna CERl Hazard Data Collection very toxic to aquatic life with long lasting effects.

12.2 durability and degradability

unknown

12.3 possible biological accumulation

unknown

12.4 mobility in soil

unknown

12.5 other harmful effects

Because of many unknow items do not discard in general environment.

13. abandon dispose

13.1 residual waste

According to local regulation

13.2 polluted package

As for containers that have been used, remove the contents completely, and commit disposal to industrial waste disposal contractor that have received approval from the municipalities.

13.local disposal regulation

unknown

14. transport information

	(ADR/RID) road transportation	(IMDG) ocean carriage	(ICAO/IATA) air transportation
UN dangerous cargos No.	unknown	unknown	unknown
UN carriage name	unknown	unknown	unknown
UN perniciousness classify	unknown	unknown	unknown
packing group	unknown	unknown	unknown
marine pollutant	no	no	no
Special precautionary measures	See 2.2	See 2.2	See 2.2

***DOT, IATA, IMDG: Not regulated as dangerous goods.

15. regulation information

15.1special regulation/legislation of safety, health and environmental for materials and mixtures

if recorded by chemical catalogues of other countries

IECSC:	No recorded
EINECS:	No recorded
EPA TSCA:	No recorded
DSL/NDSL:	No recorded
GB12268-2012: hazardous articles list	No recorded

Below laws, regulations and standards, make relevant stipulation for safe handling, storage, transportation, loading and unloading, classification and mark of chemicals.

the production safety law of the people's republic of china

the occupational disease prevention law of the people's republic of china

the environmental protection law of the people's republic of china

Hazardous chemical materials safety management regulation

Safety production license

15.2 Downstream consumption attention

Dispose should be accord with relevant law and regulation

16. other informations

All information based on our current date, the SDS (the chemical safety data sheet) is only for this product.

Reader attention

Owner of enterprise can only be used as beneficial supplement of other information obtained, and should be judged to this data properly. Be sure of moderate use for this product, guarantee health and safety of the workers. This data does not provide a guarantee, if there is any use behavior which violate this SDS or used with other products and programs, the consequence shall be borne by the users themselves.

abbr.

ADR: About international transport of dangerous goods road European protocol

IMDG: International maritime transport of dangerous goods rules.

EINECS: European Inventory of Existing Chemical Substance

IATA: International Air Transport Association

ICAO-TI: (ICAO) International Civil Aviation Organization

CAS: chemical abstracts No.

LC50: lethal concentration 50%

EC50: effect concentration 50%

LD50: lethal dose of 50%

The materials safety data sheet written based on optimum information of security and proper usage. But, we can't guarantee the timeliness and other express or hint information. To these data, our company do not bear any duty from the employ. The user should confirm the best information for their special usage after own research. Before use this product, every user should read this data carefully. If need more information for correct evaluation, pls contact with our company.

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