

Issue date 23-Nov-2016

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Version 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

- (a) Product name
Product identifier Paste for petrolatum anti-corrosion
NO59PW
- (b) Other means of identification
Product Code P020-00030853-1.1-GHS
- (c) Recommended Use Paste for petrolatum anti-corrosion
- (d) Supplier Address Nitto Denko Corporation Toyohashi Plant
18, Hirayama, Nakahara-cho, Toyohashi, Aichi, 441-3194, Japan
TEL.+81-532-41-7242, FAX. +81-532-41-7284
- Emergency telephone number +81-532-41-1121(TOYOHASHI PLANT)

2. Hazards Identification

<u>(a) GHS - Classification</u>	
<u>Acute toxicity - Dermal</u>	Category 5
<u>Carcinogenicity</u>	Category 1B

- (b) Label elements
Symbols/Pictograms



Signal Word

Danger

hazard statements

May be harmful in contact with skin
May cause cancer

Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Use only outdoors or in a well-ventilated area
Thoroughly wash your face, hands and exposed skin areas after handling
Do not breathe dust/fume/gas/mist/vapors/spray
Do not eat, drink or smoke when using this product

Precautionary Statements - Response
Eye contact

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

Storage
Disposal

Keep locked up
Dispose of contents/container to an approved waste disposal plant

- (c) Other Hazards

No information available

3. Composition/information on Ingredients

Single Substance or Mixture

Mixture

<u>Chemical name</u>	<u>CAS No</u>	<u>Concentration or concentration ranges</u>
Talc	14807-96-6	19-25
Anti-corrosion material	-	<5
White petrolatum	8009-03-8	17-23

Petrolatum, petroleum, oxidized	64743-01-7	13-19
Paraffin wax	-	7-13
Paraffin Oil	-	23-30

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. First aid measures

(a) General information

Skin contact Wash off immediately with soap and plenty of water
Eye contact Rinse cautiously with water for several minutes
 Remove contact lenses, if present and easy to do. Continue rinsing
 Call a physician if irritation persists
If inhaled Remove to fresh air
 Call a physician
Ingestion Immediately induce vomiting and then consult a doctor

(b) Most important symptoms/effects, acute and delayed: No information available

(c) Self-protection of the first aider No information available
Note to physicians No information available

5. Fire-fighting measures

(a) Fire extinguishing agent Extinguishing powder
 Carbon dioxide (CO2)
 Foam
 Dry sand
Prohibited media None in particular

(b) Special exposure hazards in a fire Fire may produce dense black smoke

(c) Special protective equipment and precautions for firefighters Due to poisonous gas (chlorine gas and so on) may be occurred, if needed, use Gas mask and Goggles

6. Accidental release measures

(a) Personal Precautions No information available
Protective equipment and emergency procedures Wear protective gloves and eye/face protection

(b) Environmental precautions Do not discharge to rivers, sewers, or drains
 Collect spillage

(c) Methods and material for containment and cleaning up Small spill : Soak up spill with woodchips, waste cloths, or sand, and contain in a sealable container

7. Handling and Storage

(a) Precautions for safe handling Wash hands and face thoroughly after handling

(b) Storage conditions Store at room temperature and normal humidity away from direct sunlight

8. Exposure Controls/Personal Protection

(a) Control parameters

<u>Chemical name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Ontario TWA</u>	<u>European Union</u>
Talc	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	(vacated) TWA: 2 mg/m ³ respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	TWA: 2 mg/m ³	-

Chemical name	China	Japan	Korea	Australia	Taiwan
Talc	TWA: 3 mg/m ³ total dust TWA: 1 mg/m ³ respirable dust STEL: 6 mg/m ³ total dust STEL: 2 mg/m ³ respirable dust	TWA: 0.5 mg/m ³ TWA: 2 mg/m ³	TWA: 6 mg/m ³ TWA: 3 mg/m ³ TWA: 2 mg/m ³	2.5 mg/m ³	TWA 2 mg/m ³

(b) Appropriate engineering controls None under normal use conditions

(c) Personal protective equipment [PPE]

Respiratory Protection Wear protective mask
Hand protection Wear protective gloves
Eye protection Wear safety glasses with side shields (or goggles)
Skin protection Wear long sleeve work shirt
General hygiene considerations Wash hands thoroughly before smoking or eating, and rinse mouth after using this product

9. Physical and Chemical Properties

(a) Physical state paste
(b) Color Brownish-red
(c) Odor Oil smell
(d) pH No data available
(e) Melting point / Freezing point 52 °C
(f) Boiling point / boiling range No data available
(g) Flash Point 240 °C
(h) Evaporation rate
(i) Flammability (solid, gas) Not Applicable
(j) Upper/lower flammability or explosive limits
Upper No data available
Lower No data available
(k) vapor pressure No data available
(l) Vapor density No data available
(m) Specific gravity 0.9-1.2
(n) Solubility Insoluble in water
(o) Partition Coefficient (n-octanol/water) No data available
(p) Autoignition temperature No data available
(q) decomposition temperature No data available
(r) Kinematic viscosity No data available

10. Stability and Reactivity

(a) Reactivity Stable under recommended storage conditions
(b) Chemical stability Stable under recommended storage conditions
(c) Possibility of hazardous reactions No information available
(d) Conditions to avoid High temperature and humidity
(e) Incompatible materials None in particular
(f) Hazardous decomposition products: None in particular

11. Toxicological Information

(a) Information on likely routes of exposure

Skin contact May be harmful in contact with skin
Eye contact No information available
Inhalation No information available
Ingestion No information available

(b) Most important symptoms/effects, acute and delayed: No information available

(c) Delayed and immediate effects and also chronic effects from short- and long-term exposure

Acute Toxicity No information available

Skin corrosion/irritation No information available
Serious eye damage/eye irritation No information available
Germ cell mutagenicity No information available
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical name	International Agency for Research on Cancer (IARC)
Talc	Group 3

International Agency for Research on Cancer (IARC) Group 3 - Not Classifiable as to its Carcinogenic

Reproductive Toxicity No information available

Specification target internal organs/systemic toxicity (single exposure) No information available

Specification target internal organs/systemic toxicity (repeat exposure) No information available

Aspiration hazard No information available

(d) Numerical measures of toxicity (such as acute toxicity estimates)

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 : 45,181.00 mg/kg

Dermal LD50 3,743.00 mg/kg

Chemical name	Oral LD50 ;	Dermal LD50	Inhalation LC50 - 4 hour - vapor - mg/L
White petrolatum	-	= 3600 mg/kg (Rabbit)	-
Petrolatum, petroleum, oxidized	-	= 3600 mg/kg (Rabbit)	-

12. Ecological Information

(a) Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Talc		100: 96 h <i>Brachydanio rerio</i> g/L LC50 semi-static	

(b) Mobility in soil No information available

(c) Persistence and degradability No information available

(d) Bioaccumulation No information available

(e) Other adverse effects No information available

Ozone depletion potential (ODP): No information available

Endocrine Disruptor Information No data available as mixture

13. Disposal Considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations
 Contact an authorized industrial waste treatment company for off-site disposal

Contaminated packaging Remove all packaging for recovery or waste disposal. Dispose as industrial waste

14. Transport Information

National regulations

UN number Not Applicable

Environmental hazards (Applicable/not applicable) Not Applicable

Special precautions in connection with transport or conveyance Make sure of no damage on each container and no leakage from each container, load appropriately so that there is no damage of the containers by overturns and fall, and take measures thoroughly for preventing collapse of cargo
 Avoid direct sunlight and store indoors

15. Regulatory information

Japan

Industrial Safety and Health Act

Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Attached Table No.9, and Law Art.56-1)

Fire Service Law

Specified combustible material

Korea

No information available

China

No information available

16. Other information

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Reference

Raw material SDS

Source Information

Raw material SDS
LOLI(Chem ADVISOR) GHS classification data

Disclaimer

Contents are based on documents, information and data which are available at this time, but nothing is guaranteed as regards content, physical and chemical properties, hazards

The regulatory information presented here should not necessarily be considered as all-inclusive. Other local and international regulations may also apply

Also precautions are subject to ordinary handling, so please take safety measures as usage in special cases

End of Safety Data Sheet