

Composing date : 2017 Revision : 1^{st} (first) Page : 1 of 10

SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier : Slack Wax

Other means of identification :

Recommended use of the chemical and restrictions on

use

These products are used as polishes and waxes, adhesive

glue and sealants, lubricants and greases.

This product is used in the following activities or processes

in the workplace: mixed production with tabletting, compression, extrusion, pelletization and low energy manipulation of the material bonding of the product.

Manufacturer ATDM CO

Unit 3509 Burlington

Tower

Business Bay, Dubai-UAE

Emergency phone number : 0097142369830

2. HAZARD IDENTIFICATION

Classification: Not classifiedSignal word: Not classifiedHazard statement: Not classifiedPrecautionary statement: Not classified

Pictogram :

Other hazards which do not

result in classification

Not classified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical NameCAS No.Concentration (%)Paraffinic wax8002-74-2Min. 72Highly-refined mineral oils8042-47-5/Max. 288012-95-1

4. FIRST AID MEASURES

Necessary description

symptoms/effects

• In case of eye contact : Flush eye with copious quantities of water. If persistent

irritation occurs, obtain medical attention.

• In case of skin contact : Remove contaminated clothing and wash affected skin with

soap and water. If persistent irritaion occurs, obtain medical attention. If high pressure injection injuries occur,

obtain medical attention immediately.

• If inhaled : If inhaled, remove to fresh air. If breathing is difficult, give

oxygen. If not breathing, give cardiopulmonary

resuscitation. Get medical attention.

• If swallowed : Rinse mouth with water and obtain medical attention.

Most important : Under normal conditions, it is not expected to cause acute

danger during use.

Aspiration into the lungs may result in chemical



Composing date : 2017 Revision : 1^{st} (first) Page : 2 of 10

SAFETY DATA SHEET

4. FIRST AID MEASURES

pneumonitis, it needs proper treatment.

Indication of Immediate medical attention and special treatment needed, if necessary : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide, dry chemical and foam

Unsuitable extinguishing : Water jet

media

Specific hazards

Other explosion and fire

hazards

Flash point °C : Min. 145°C

Flammability value : No data available

Hazardous chemical : Carbon oxides (CO, CO₂), nitrogen and sulfur oxides (NO_x,

No data available

composition SO_x), particulate, aromatic, VOC materials.

Special protective actions for

fire fighters

a. Carbon dioxide (CO₂) : Spray it to the base of fire from upwind.

b. Dry chemical powder : Spray it to the base of fire from upwind.

c. Foam : When the fire is in a container, spray the foam into the

inner wall of the container, not to the burning liquid, and from upwind. When the fire is caused by spill of liquid, spray it to the front fire until the spill is covered

thoroughly, and from upwind.

Special protective : Fore fires in relatively closed areas, the fire fighters must

equipment for fire-fighter be equipped with Self Contained Breathing Apparatus

(SCBA).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Avoid breathing fume / gas / mist / vapor / spray from the product. Use appropriate personal protective equipment.

Environmental precautions : Prevent spill into drainage, sewage system, or its seepage

into the soil.

Procedures : Notify the authority promptly about the occurrence of the

spills, in accordance with the determined local authorization when the spills are suspected to contaminate

the water channel.

Methods and materials for containment and cleaning up

Put away all conditions that can enable the occurrence of ignition. Adsorb the spill by using sorbent, sawdust mixed with clay and other fire inhibitor materials. Clean and dispose it at the determined place of disposal according to



Composing date : 2017 Revision : 1^{st} (first) Page : 3 of 10

SAFETY DATA SHEET

6. ACCIDENTAL RELEASE MEASURES

the local regulation.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep co

Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after

handling.

Conditions for safe storage

(including any incompatibilities)

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of

ignition (spark or flame).

Use mild steel or high density polyethylene (HDPE) for

containers or container linings.

Avoid PVC for containers or container linings.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

• Exposure limit : TWA 5 mg/m³ (all forms of oil mist, mineral)

STEL 10 mg/m³ (all forms of oil mist, mineral)

Biological exposure

indicator

: No data available

Appropriate engineering

control

• Ventilation : Use adequate ventilation.

Individual protection

measures

• Eye and face : Use chemical type goggles.

protection

• Skin protection : Minimize all forms of skin contact. Wear overalls to

minimize contamination of personal clothing.

Respiratory : Use breathing apparatus when the polluted concentration protection in the air is higher than the permissible threshold limit

value.

ractices : Wash hands at rest and after work.

Hygiene practices : Wash hands at rest and after work.

Do not eat and drink while using the product.

No smoking while using the product.



2017 Composing date Revision : 1st (first) : 4 of 10 Page

SAFETY DATA SHEET

PHYSICAL AND CHEMICAL PROPERTIES	
Characteristic	Test Result
Organisantic (physical appearance color etc)	: Solid at ambient temperature,
Organoleptic (physical appearance, color, etc)	yellowish white
Odor : Not aromatic	
Odor threshold	: No data available
рН	: No data available
Melting/freezing point	: 47 – 53 °C
Boiling point/boiling range	: No data available
Flammability	: Not flammable
Flash point	: Min. 145 °C
Evaporation rate	: No data available
Lower/upper flammability limit and explosion limit	: No data available
Vapor pressure	: No data available
Vapor density	: No data available
Relative density	: 0.77 - 0.83 g/cm³ at 70/70 °C
Solubility	
 Water solubility 	: No data available
Other solubility	: No data available
Partition coefficient (n-octanol/water)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: 3.1 - 4.2 cSt at 100°C

10. STABILITY AND REACTIVITY

: Polymerization of hazardous materials is not formed. Reactivity **Chemical stability** Stable under normal temperatures and pressures.

Posibility of hazardous posible hazardous reactions under

reactions temperatures and pressures.

: Heat, flame, ignition or conditions that can cause static **Conditions to avoid**

electricity.

Incompatible materials : Reactive with oxidizing agents, acids, alkalis, nitrates,

chlorites, peroxide.

Hazardous decomposition

Carbon oxides (CO, CO2), nitrogen and sulfur oxides (NOX, products

SOX), particulate matter, aromatic, VOC's.

11. TOXICOLOGICAL INFORMATION

Comprehensive toxicological/health information

Acute toxicity

Route of exposure	Paraffin wax	Highly-refined mineral oils
Oral	No adverse effect	No adverse effect
	observed on LD50	observed on LD50
	5000 mg / kg (rat)	5000 mg / kg (rat)
Inhalation	Not considered as	No adverse impact
	an inhalation	on LC50 (4 h) 5000
	hazard under	mg / m3 (rat)

Composing date : 2017 Revision : 1^{st} (first) Page : 5 of 10

SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

normal use.

Dermal No adverse effect observed on LD50 2000 mg / kg (rat) 2000 mg / kg (rabbit)

 Skin corrosion/ irritation : No data available. Suspected that it may not cause skin corrosion/irritation according to compound or product which has similar structure or composition.

 Serious eye damage/irritation No data available. Suspected that it may not cause serious damage or irritation to the eye according to compound or product which has similar structure or composition.

 Respiratory or skin sensitization No data available. Suspected that it may not cause respiratory or skin sensitization according to compound or product which has similar structure or composition.

• Germ cell mutagenicity

: No data available. Suspected that it is not mutagen according to compound or product which has similar structure or composition.

Carcinogenicity

Route of	Paraffin wax	Highly-refined
exposure		mineral oils
Oral	No adverse effect	No adverse effect
	observed on	observed on NOAEL
	NOAEL 5700 mg/	1200 mg / kg bw /
	kg bw / day	day (chronic, mice)
	(chronic, rat)	
Inhalation	-	-
Dermal	No adverse effect	-
	observed on	
	NOAEL 128 mg/	
	kg bw / day	
	(subchronic,	
	mice)	

• Reproductive toxicity

	mice)	
Route of	Paraffin wax	Highly-refined
exposure		mineral oils
Effects on fer	tility:	
Oral	No adverse effect	No adverse effect
	observed on	observed on NOAEL
	NOAEL 1000 mg/	1000 mg / kg bw /
	kg bw / day	day (subchronic,
	(subchronic, rat)	rat)
Inhalation	-	-
Dermal	-	No adverse effect
		observed on NOAEL
		2000 mg / kg bw /
		day (subchronic,
		rat)
Effects on fetal development:		



2017 Composing date : 1st (first) Revision : 6 of 10 Page

SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

Oral	-	No adverse effect
		observed on NOAEL
		5000 mg / kg bw /
		day (subchronic,
		rat)
Inhalation	-	No adverse effect
		observed on
		NOAEC 1000 mg/
		m3 (subacute, rat)
Dermal	-	No adverse effect
		observed on NOAEL
		2000 mg / kg bw /
		day (subchronic,
		rat)

STOT-single exposure

: No data available. Suspected that it is not toxic to specific target organs after single exposure according to compound or product which has similar structure or composition.

STOT-repeated exposure

Route of exposre	Paraffin wax	Highly-refined mineral oils
Oral	No adverse effect observed on	No adverse effect observed on NOAEL
	NOAEL 1500 mg /	1200 mg / kg bw /
	kg bw / day	day (chronic, rat)
	(chronic, rat)	
Inhalation	-	No adverse effect
		observed on
		NOAEC 50 mg/m3
		(subacute, rat)
Dermal	No adverse effect	No adverse effect
	observed on	observed on
	NOAEL 2000 mg/	NOAEL 2000 mg/
	kg bw / day	kg bw / day
	(subchronic, rat)	(subchronic, rat)

Aspiration hazards

: No data available. Suspected that it is not aspiration hazards according to compound or product which has similar structure or composition.

Information on the likely routes exposure

: Ingested and skin contact.

Symptoms related to the physical, chemical, and toxicological characteristics **Delayed and immediate** effects, and also chronic effects from both short or long term exposure

: Under normal conditions, not expected to cause acute

danger during use.

: No ada data available. Further testing has not been done.

Numerical measure of : No ada data available. Further testing has not been done.



Composing date : 2017 Revision : 1^{st} (first) Page : 7 of 10

SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

toxicity

Interative effects : No ada data available. Further testing has not been done.

Where specific chemical data : No ada data available. Further testing has not been done.

are not available

are not available

Mixture : No ada data available. Further testing has not been done.

Mixture vs. Ingredient

information

Other in formation : Prolonged and/or repeated contact with products

containing mineral oils can result in defatting of the skin, particularly at elevated temperatures. This can lead to irritation and possibly dermatitis, especially under

No ada data available. Further testing has not been done.

conditions of poor personal hygiene.

12. ECOLOGICAL INFORMATION

Ecotoxicity

: Poorly soluble mixture. May cause physical fouling of aquatic organisms.

aquatic organisms.		
Route of	Paraffin wax	Highly-refined
exposure		mineral oils
Short-term	LL50 (4 daysi)	LL50 (4 days) 100 -
toxicity in	100 mg/L	10000 mg/L
fish		
Long-term toxicity in fish	No data available	No data available
Short-term toxicity in aquatic invertebrates	LL50 (48hours) 10 g/L	LL50 (48hours) 100 mg/L
Longt-term toxicity in aquatic invertebrates	No data available	No data available
Toxcicity in Algae and cyanobacteri als	No data available	No data available

Persistence and degradability

Not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

Bioaccumulative potential

No ada data available. Further testing has not been done.

Mobility in soil

: Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will

not be mobile.

Other adverse effects : No ada data available. Further testing has not been done.



Composing date : 2017 Revision : 1^{st} (first) Page : 8 of 10

SAFETY DATA SHEET

13. DISPOSAL CONSIDERATION

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. TRANSPORT INFORMATION

USA DOT : Not arranged by USA DOT RID / ADR : Not arranged by RID/ADR IMO : Not arranged by IMO ICAO / IATA : Not arranged by IATA

15. REGULATORY INFORMATION

Safety, health, and environmental regulation (specific for the product in question)

- Peraturan Menteri Perindustrian Nomor 23/M-IND/PER/4/2013 tentang Perubahan Atas Peraturan Menteri Perindustrian Nomor 87/M-IND/PER/9/2009 Tentang Sistem Harmonisasi Global Klasifikasi dan Label pada Bahan Kimia
- Peraturan Pemerintah Republik Indonesia, Nomor 74 Tahun 2001 Tentang Pengelolaan Bahan Berbahaya dan Beracun Presiden Republik Indonesia
- Keputusan Menteri Tenaga Kerja No Kep-187/Men/1999 tentang Pengendalian Bahan Kimia Berbahaya
- ACGIH®. 2016. TLVs® and BEIs®

16. OTHER INFORMATION

Revision date :

Key/legend or acronym used

in the SDS

2017

ACGIH - American Conference on Governmental Industrial

Hygienist

BEI - Biological Exposure Indices

CAS No. - Chemical Abstract Service Number

HDPE - High Density Polyethylene

IMO - International Maritime Organization

ICAO/IATA - International Civil Organization Aviation/

International Air Transport Association

PVC - Poly Vinyl Chlorida

RID/ADR - European Agreements Concerning the International Carriage of Dangerous Goods by Rail and by

road

TLV - Threshold Limit Value TWA - Time-Weighted Average

SCBA - Self Contained Breathing Apparatus



Composing date : 2017 : 1st (first) Revision Page : 9 of 10

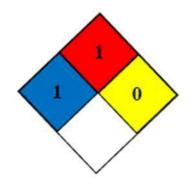
SAFETY DATA SHEET

16. OTHER INFORMATION

STEL - Short Term Exposure Limit USA DOT - United States Department of Transportation

Key literature references and : echa.europa.eu sources for data used in the SDS

NFPA



Degrees	Red	Blue	Yellow
0	Will not burn	Live	Normally
0	Will flot buill	_	•
		ordinary	stable
	8.4	material	
1	Must be	Slightly	Unstable if
	preheated to	hazardous	heated –
	burn		use normal
			precautions
2	Ignites when	Hazardous	Violent
	moderately	– use	chemical
	heated	breathing	change
		apparatus	possible –
			use hose
			streams
			from
			distance
3	Ignites at	Extremely	Strong
	normal	dangerous	shock or
	temperatures	– use full	heat may
		protective	detonate -
		clothing	use
			monitors
			from
			behind
			explosion
			resistant
			barriers
4	Extremely	Too	May
	flammable	dangerous	detonate –
		to enter	vacate area
		vapor or	if materials
		liquid	are exposed
			to fire

White	
❷	Radioactive
₩	Never contact with water



SAFETY DATA SHEET

Disclaimer

The information is composed based on current knowledge and intended to describe safety, health, and environment hazard of the product. Therefore, it should not be construed as guarantee any specific property of the product. All risks while using this product is the user's responsibility. It is not allowed to make change of this document, except there is legal consent.