SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

1.1 GHS product identifier **DAPHNE POLYLEX GREASE NO.0**

1.2 Other means of identification

Reference Number 38109310

1.3 Recommendations and restrictions on the use of substances or mixtures

Recommended use Lubricating grease

Recommended restrictions Not available.

1.4 Supplier's details

Manufacturer

Company name Apollo (Thailand) Co., Ltd.

Address Amatanakorn Industrial Estate(Phase6) 700/623 Moo4 Bankao,Panthong, Chonburi 20160 Thailand

Telephone number +66-3845-6900

FAX number +66-3821-0099

Emergency Phone number +001 800 120 666 751(toll-free,access from Thailand only)

2. Hazards identification

2.1 GHS classification of substance or mixture, and national or regional information

Physical hazards Classification not possible

Health hazards Skin corrosion/irritation Category 3

Environmental hazards Classification not possible

2.2 GHS label elements

Hazard symbol(s) None.

Signal word Warning

Hazard statement(s) Causes mild skin irritation.

Precautionary statement(s)

Prevention Observe good industrial hygiene practices.

Response If skin irritation occurs: Get medical advice/attention.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

2.3 Other hazards which do not result in GHS classification Combustible.

Supplemental information None.

3. Composition/information on ingredients

3.2 Mixture

Chemical identity	Common name and synonym	CAS number and other unique identifiers	Concentration or concentration range
N,N''-(methylenedi-4,1-phenylene)bis[N'-octylurea]		Trade secret	3 - < 5
Other components below reportable levels			90 - 100

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

4.1 Description of first-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep victim warm. Consult a physician if symptoms develop or persist.

Skin contact Wipe up with absorbent material (e.g. cloth, fleece). Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Consult a physician.
4.2 Most important symptoms/ effects, acute and delayed	Mild skin irritation.
4.3 Indication of immediate medical considerations and important specific treatment that should be performed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

5.1 Prohibited extinguishing media and suitable extinguishing media

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Dry sand. Dry chemicals. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Specific hazards arising from chemicals	No information available.
5.3 Special protective equipment and precautions for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/ instructions	Wear suitable protective equipment. Keep upwind and extinguish a fire carefully from a reasonable distance. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
General fire hazards	Combustible. No unusual fire or explosion hazards noted.
Specific methods	Keep unnecessary personnel away. Immediately evacuate personnel to safe areas. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. For a massive fire, should use foam.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
6.2 Environmental precautions	Contain spills and prevent releases and observe national regulations on emissions. Avoid discharge into drains, water courses or onto the ground.
6.3 Methods and materials for containment and cleaning up	The product is immisible with water. Wipe up with absorbent material (e.g. cloth, fleece). Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

7.1 Precautions for safe handling, use and storage	Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
7.2 Conditions for safe storage, including any incompatibilities	Keep away from heat and sources of ignition. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
8.2 Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

8.3 Personal protective measures

Eye/face protection	Wear safety glasses with side shields (or goggles).

Skin protection	
Hand protection	Not available.
Other	Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

9.1 Appearance	
Physical state (GHS)	Solid.
Form	Semi-solid.
Color	Light yellow
9.2 Odor	Slight.
9.3 Odor threshold limit	Not available.
9.4 pH	Not available.
9.5 Melting point/freezing point	Not available.
9.6 Initial boiling point and boiling range	Not available.
9.7 Flash point	437 °F (225 °C) Setaflash
9.8 Evaporation rate	Not available.
9.9 Flammability (solid, gas)	Not available.
9.10 Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
9.11 Vapor pressure	Not available.
9.12 Vapor density	Not available.
9.13 Relative density	Not available.
9.14 Solubility	
Solubility (water)	Insoluble in water
9.15 Partition coefficient: n-octanol/water	Not available.
9.16 Auto-ignition temperature	Not available.
9.17 Decomposition temperature	Not available.
9.18 Viscosity	Not available.
Other information	
Density	0.89 g/cm3 (25°C)

10. Stability and reactivity

10.1 Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2 Chemical stability	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid	Contact with incompatible materials.
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

11.1 Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.

Skin contact	Causes mild skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
11.2 Symptoms related to physical, chemical and toxicological characteristics	Mild skin irritation.
11.3 Delayed and immediate effects, including chronic effects from short- and long-term exposure	Not available.
11.4 Numerical values of toxicity	
Acute toxicity	Not available.
Skin corrosion/irritation	Causes mild skin irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not available.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.

12. Ecological information

12.1 Ecological toxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose in accordance with all applicable regulations.
Local disposal regulations	Not available.
Waste from residues / unused products	Dispose of in accordance with local regulations. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Contract with a disposal operator licensed by the Law on Disposal and Cleaning.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

IATA

Not regulated as dangerous goods.

UN Number Not applicable

IMDG

Not regulated as dangerous goods.

UN Number Not applicable

15. Regulatory information

Please refer to Section 2.

16. Other information, including date of preparation or last revision

Issue date	01-06-2017
Version #	01
References	ACGIH EPA: AQUIRE database NLM: Hazardous Substances Data Base US. IARC Monographs on Occupational Exposures to Chemical Agents Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Third revised edition.
Disclaimer	This SDS is an addition and complementary document beside the technical data sheet. The information is based upon our knowledge about the product at the date of edition. Since we cannot anticipate or control the different conditions under which this information or our product may be used, we make no guarantee that recommendations will be adequate for all individuals and situations.