



SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Trade name : NYCO GREASE GN 3058
 Product code : GN3058-1

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Industrial use

1.3. Supplier

NYCO America LLC, a subsidiary of NYCO
 87 Amlajack Way
 Newnan, GA 30265
 USA
 T +1 877 872 6926
info@nyco-group.com - www.nyco-group.com

1.4. Emergency telephone number

Emergency number : USA , CANADA Chemtrec 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Repr. 2	H361	Suspected of damaging fertility or the unborn child.

Full text of hazard classes and H-statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H317 - May cause an allergic skin reaction.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS US) :

P202 - Do not handle until all safety precautions have been read and understood.
 P261 - Avoid breathing vapours.
 P280 - Wear protective gloves, protective clothing, eye protection, face protection.
 P302+P352 - IF ON SKIN: Wash with plenty of soap.
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P342+P311 - If experiencing respiratory symptoms: Call a doctor.
 P405 - Store locked up.

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2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Dilithium azelate	CAS-No.: 38900-29-7	0 – 5
methylenebis(dibutyldithiocarbamate)	CAS-No.: 10254-57-6	0 – 5
Calcium Carbonate	CAS-No.: 1317-65-3	0 – 5
Naphthenic acids, zinc salts, basic	CAS-No.: 84418-50-8	0 - 5
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	CAS-No.: 68411-46-1	0 – 2
diphenylamine	CAS-No.: 122-39-4	0 - 0.1

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
First-aid measures after inhalation	: To our knowledge, the product does not present any particular risk, under normal conditions of use.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of soap and water. Seek medical advice (show the label where possible).
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice (show the label where possible).
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek medical advice (show the label where possible).

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: To our knowledge, the product does not present any particular risk, under normal conditions of use.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking. irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Possible irritation of mucous membranes and digestive tract, nausea, vomiting.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Foam. Dry powder. Carbon dioxide.
Unsuitable extinguishing media : Strong water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : On burning: release of harmful/irritant gases/vapours. Carbon oxides (CO, CO2).

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire : Protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid spilling the product, as this might cause falls.

6.1.1. For non-emergency personnel

Protective equipment : See Headings 7 and 8.
Emergency procedures : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

6.1.2. For emergency responders

Protective equipment : See Headings 7 and 8.
Emergency procedures : For a large spillage, contain the spillage by bunding. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Stable at ambient temperature and under normal conditions of use.
Precautions for safe handling : Wear suitable protective clothing. Personal protective equipment. When using do not eat, drink or smoke. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Avoid spilling the product, as this might cause falls. Provide local exhaust or general room ventilation.
Hygiene measures : When using do not eat or drink. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area.
Special rules on packaging : Store in original container. Keep container closed when not in use.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

Dilithium azelate (38900-29-7)

No additional information available

methylenebis(dibutyldithiocarbamate) (10254-57-6)

No additional information available

Calcium Carbonate (1317-65-3)

USA - OSHA - Occupational Exposure Limits

Local name	Calcium Carbonate (Limestone; Marble)
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OSHA PEL TWA [1]	15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction)
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Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
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Naphthenic acids, zinc salts, basic (84418-50-8)

No additional information available

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

No additional information available

diphenylamine (122-39-4)

USA - ACGIH - Occupational Exposure Limits

Local name	Diphenylamine
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ACGIH OEL TWA	10 mg/m ³
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Remark (ACGIH)	TLV® Basis: Liver & kidney dam; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)
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Regulatory reference	ACGIH 2022
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8.2. Appropriate engineering controls

Environmental exposure controls : Do not flush into surface water or sewer system.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

Eye protection:

Safety glasses with side shields

Skin and body protection:

Wear suitable protective clothing

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Respiratory protection:

No personal breathing protective equipment is normally required

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Pasty.
Colour	: Yellow
Odour	: No data available
Odour threshold	: No data available
pH	: Not applicable.
Melting point	: 259 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Density	: 0.875 kg/l @ 20°C
Solubility	: Material insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

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10.4. Conditions to avoid

elevated temperature.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Dilithium azelate (38900-29-7)

LD50 oral rat	300 – 2000 mg/kg OECD 420
ATE US (oral)	300 mg/kg bodyweight

methylenebis(dibutyldithiocarbamate) (10254-57-6)

LD50 oral rat	16000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	16000 mg/kg bodyweight

Calcium Carbonate (1317-65-3)

LD50 oral rat	> 5000 mg/kg
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Naphthenic acids, zinc salts, basic (84418-50-8)

LD50 oral rat	> 2000 mg/kg OECD 423
LD50 dermal rabbit	> 2000 mg/kg OECD 402
LC50 Inhalation - Rat (Dust/Mist)	> 0.42 mg/l/4h OECD 403

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rat	> 2000 mg/kg OECD 402

diphenylamine (122-39-4)

ATE US (oral)	100 mg/kg bodyweight
ATE US (dermal)	300 mg/kg bodyweight
ATE US (gases)	700 ppmv/4h
ATE US (vapours)	3 mg/l/4h
ATE US (dust,mist)	0.5 mg/l/4h

Skin corrosion/irritation : Not classified
pH: Not applicable.

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Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

pH 5.1 – 6.2

Serious eye damage/irritation : Not classified
pH: Not applicable.

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

pH 5.1 – 6.2

Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

diphenylamine (122-39-4)

IARC group 2B - Possibly carcinogenic to humans

Reproductive toxicity : Suspected of damaging fertility or the unborn child.
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

diphenylamine (122-39-4)

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

Viscosity, kinematic 352.7 mm²/s @40°C

Symptoms/effects after inhalation : To our knowledge, the product does not present any particular risk, under normal conditions of use.
Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking, irritation (itching, redness, blistering).
Symptoms/effects after eye contact : Eye irritation.
Symptoms/effects after ingestion : Possible irritation of mucous membranes and digestive tract, nausea, vomiting.

SECTION 12: Ecological information

12.1. Toxicity

methylenebis(dibutyldithiocarbamate) (10254-57-6)

LC50 - Fish [1] > 0.06 mg/l 96h:Oncorhynchus mykiss (OECD 203)
EC50 - Crustacea [1] > 0.052 mg/l 48h:Daphnia magna (OECD 202)
EC50 72h - Algae [1] > 0.0325 mg/l 72h:Desmodesmus subspicatus
NOEC (acute) 0.06 mg/l Fish
NOEC chronic crustacea ≥ 0.247 mg/l 21d:Daphnia magna

Calcium Carbonate (1317-65-3)

LC50 - Fish [1] > 10000 mg/l 96h:Oncorhynchus mykiss
EC50 - Crustacea [1] > 1000 mg/l 48h:Daphnia magna
EC50 72h - Algae [1] > 200 mg/l 72h:Desmodesmus subspicatus

Naphthenic acids, zinc salts, basic (84418-50-8)

LC50 - Fish [1] > 100 mg/l 96h : Danio rerio, OECD 203

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Naphthenic acids, zinc salts, basic (84418-50-8)

EC50 - Crustacea [1]	100 mg/l 48h : Daphnia Magna, OECD 202
EC50 72h - Algae [1]	3.62 mg/l 72h : Pseudokirchneriella subcapitata, OECD 201

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

LC50 - Fish [1]	> 100 mg/l 96h: Brachydanio rério (OCDE 203)
EC50 - Crustacea [1]	51 mg/l 48h: Daphnia magna (OCDE 202)
ErC50 algae	> 100 mg/l Desmosdesmus subspicatus (OECD 201)
NOEC chronic algae	≥ 10 mg/l Pseudokirchneriella subcapitata (OECD 201)

diphenylamine (122-39-4)

LC50 - Fish [1]	2.2 mg/l 96h: Oncorhynchus mykiss
EC50 - Crustacea [1]	1.2 mg/l 48h: Daphnia magna
EC50 72h - Algae [1]	2.17 mg/l 72h: Pseudokirchneriella subcapitata
NOEC chronic algae	0.37 mg/l 72h: Pseudokirchneriella subcapitata

12.2. Persistence and degradability

methylenebis(dibutyldithiocarbamate) (10254-57-6)

Persistence and degradability	Not readily biodegradable.
Biodegradation	21 % (OECD 301 B)

Naphthenic acids, zinc salts, basic (84418-50-8)

Persistence and degradability	Not readily biodegradable.
Biodegradation	28 %

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

Biodegradation	1 % (OECD 301B)
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12.3. Bioaccumulative potential

methylenebis(dibutyldithiocarbamate) (10254-57-6)

Bioconcentration factor (BCF REACH)	10.86
Partition coefficient n-octanol/water (Log Pow)	8.42
Bioaccumulative potential	faint.

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

Partition coefficient n-octanol/water (Log Kow)	> 5 @25°C
Bioaccumulative potential	Potentially bioaccumulable.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
No dangerous good in sense of transport regulations.(ADR, RID, IMDG, IATA)			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable
Transport document description			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

DOT
No data available

TDG
No data available

IMDG
No data available

IATA
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization Health hazard - Reproductive toxicity
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15.2. International regulations

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All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

diphenylamine (122-39-4)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

Component	State or local regulations
Calcium Carbonate(1317-65-3)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Massachusetts - Right To Know List
diphenylamine(122-39-4)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - RTK List of Hazardous Substances; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 11/07/2022

Full text of H-statements	
Repr. 2	Reproductive toxicity, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H361	Suspected of damaging fertility or the unborn child.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.