SAFETY DATA SHEET

Version No.2 Revision date: 04/03/24

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

1.1 Product Identifier:

Product name:
24660 Draper Nut Lock DNL 243

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

No additional information available

1.2.2 Uses advised against

No additional information available

1.3 Details of the Supplier of the Safety Data Sheet:

Company name:	Draper Tools Ltd
Address:	Hursley Road, Chandler's Ford Eastleigh, Hampshire SO53 1YF
Telephone:	+44 (0) 23 80266355
Email:	sales@drapertools.com
Contact person:	Customer Service
Website:	www.drapertools.com

1.4 Emergency Telephone Number:

+44 (0) 23 80266355 (not 24hrs)

2. Hazards Identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2:
H319

Skin sensitisation, Category 1:
H317

Hazardous to the aquatic environment – Chronic Hazard, Category 4:
H413

Full text of hazard statement and EUH-statements: see section 16.

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label Elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):

GHS07

Signal word (CLP):
Warning

Contains:
Acetic acid 2-phenylhydrazide;
2'- Phenylacetohydrazide, maleic acid

Hazard statements:
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H413 Harmful to aquatic life with long lasting effects

Precautionary statements:
P261 - Avoid breathing vapours.
P280 - Wear protective clothing, eye protection, face protection.
P321 - Specific treatment (see Take medical advice on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

2. Hazards Identification

2.3 Other hazards:
PBT: not relevant – no registration required
vPvB: not relevant – no registration required
Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

3. Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Esterification products of4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid	CAS-No.: 41637-38-1 EC-No.: 609-946-4	≥ 25 – < 50	Aquatic Chronic 4, H413
-Methyl-2-propenoic acid monoester with 1,2-propanediol	CAS-No.: 27813-02-1 EC-No.: 248-666-3 REACH-no: 01-2119490226-37	≥ 10 – < 15	Aquatic Chronic 3, H412
a, a-dimethylbenzyl hydroperoxide; cumene hydroperoxide substance with national workplace exposure limit(s) (LT, LV)	CAS-No.: 80-15-9 EC-No.: 201-254-7 EC Index-No.: 617-002-00-8 REACH-no: 01-2119475796-19	≥ 0.1 – < 1	Org. Perox. F, H242 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 3 (Inhalation), H331 (ATE=0.5 mg/l/4h) Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Acetic acid 2-phenylhydrazide ; 2'-Phenylacetohydrazide	CAS-No.: 114-83-0	≥ 0.1 – < 1	Acute Tox. 3 (Oral), H301 (ATE=270 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
maleic acid	CAS-No.: 110-16-7 EC-No.: 203-742-5 EC Index-No.: 607-095-00-3	≥ 0.1 – < 1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335

3. Composition/Information on Ingredients

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits**
a, a-dimethylbenzyl hydroperoxide; cumene hydroperoxide	CAS-No.: 80-15-9 EC-No.: 201-254-7 EC Index-No.: 617-002-00-8 REACH-no: 01-2119475796-19	(0 <C < 10) STOT SE 3, H335 (1 ≤C < 3) Eye Irrit. 2, H319 (3 ≤C < 10) Skin Irrit. 2, H315 (3 ≤C < 10) Eye Dam. 1, H318 (10 ≤C ≤ 100) Skin Corr. 1B, H314
maleic acid	CAS-No.: 110-16-7 EC-No.: 203-742-5 EC Index-No.: 607-095-00-3	(0.1 ≤C ≤ 100) Skin Sens. 1, H317

Full text of hazard statement and EUH-statements: see section 16.

4. First Aid Measures

4.1 Description of first aid measures:

First-aid measures after inhalation:
Move the affected person away from the contaminated area and into the fresh air. If you feel unwell, seek medical advice.

First-aid measures after skin contact:
Wash skin with plenty of water. Get medical advice/attention.

First-aid measures after eye contact:
Rinse immediately with plenty of water. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion:
Rinse mouth out with water. Drink plenty of water. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed:

Symptoms/effects after eye contact:
redness, itching, tears.

4.3 Indication of any immediate medical attention and special treatment needed:
Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media:
Carbon dioxide. Foam. Water spray. Dry powder.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire:
Carbon dioxide. Carbon monoxide.

5.3 Advice for Firefighters

Firefighting instructions:
Use water spray or fog for cooling exposed containers.

Protection during firefighting:
Use self-contained breathing apparatus and chemically protective clothing.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

General measures:
Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

Emergency procedures:
Avoid contact with skin and eyes.

6.1.2. For emergency responders
No additional information available

6.2. Environmental precautions
Avoid release to the environment. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment:
Collect spillage. Absorb spilled material with sand or earth.

Methods for cleaning up:
Clean up any spills as soon as possible, using an absorbent material to collect it. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4 Reference to other sections:

See Section 8. For further information refer to section 13.

7. Handling and Storage

7.1 Precautions for safe handling:

Precautions for safe handling:
Avoid contact with eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Provide local exhaust or general room ventilation.

Hygiene measures:
Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wear personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities:

Storage conditions:
Store in a closed container. Store in a well-ventilated place.

7.3 Specific end use(s):
No additional information available

8. Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 National occupational exposure and biological limit values
No additional information available

8.1.2. Recommended monitoring procedures
No additional information available

8.1.3. Air contaminants formed
No additional information available

8.1.4. DNEL and PNEC
No additional information available

8.1.5. Control banding
No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls:
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment:
Gloves. Safety glasses.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Safety glasses (EN 166). Protective goggles (EN 166)

8.2.2.2. Skin protection

Hand protection:
Gloves

8.2.2.3. Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4. Thermal hazards
No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Blue
Odour:	Sweet
Odour threshold:	No information available
pH:	Not applicable
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	Not applicable
Flash point:	> 100 °C
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Not applicable
Vapour pressure:	Not available
Relative vapour density at 20 °C:	Not applicable
Relative density:	No data available
Solubility:	Water: Slightly soluble in water.
Partition coefficient n-octanol/water (Log Pow):	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	1800 – 3000
Explosive properties:	No information available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2. Other information

No additional information available

10. Stability and Reactivity

10.1 Reactivity: No additional information available.

10.2 Chemical Stability: Stable under normal conditions of use. Stable under normal conditions.

10.3 Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

10.4 Conditions of avoid: None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials: Strong acids. 10.6. Hazardous decomposition products Carbon dioxide. Carbon monoxide. May liberate toxic gases.

11. Toxicological Information

11.1 Information on toxicological effects:

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

Esterification products of 4,4'-isopropylidenediphenol,ethoxylated and 2-methylprop-2-enoic acid (41637-38-1)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Remarks on results: other:
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Remarks on results: other:

Methyl-2-propenoic acid monoester with 1,2-propanediol (27813-02-1)	
LD50 oral rat	11200 mg/kg Source: TOMES
LD50 dermal rabbit	> 5000 mg/kg Source: IUCLID

Acetic acid 2-phenylhydrazide ; 2'-Phenylacetohydrazide (114-83-0)	
LD50 oral rat	270 mg/kg Source: THOMSON

a, a-dimethylbenzyl hydroperoxide; cumene hydroperoxide (80-15-9)	
LC50 Inhalation - Rat [ppm]	220 ppm Animal: rat, Animal sex: male, Remarks on results: other:

Skin corrosion/irritation:	Not classified
pH:	Not applicable
Serious eye damage/irritation:	Causes serious eye irritation
pH:	Not applicable
Respiratory or skin sensitisation:	May cause an allergic skin reaction
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity	Not classified
STOT-single exposure:	Not classified

Acetic acid 2-phenylhydrazide ; 2'-Phenylacetohydrazide (114-83-0)	
STOT-single exposure	May cause respiratory irritation.

maleic acid (110-16-7)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure:	Not classified

11. Toxicological Information

Esterification products of 4,4'-isopropylidenediphenol,ethoxylated and 2-methylprop-2-enoic acid (41637-38-1)	
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral))

2-Methyl-2-propenoic acid monoester with 1,2-propanediol (27813-02-1)	
LOAEC (inhalation, rat, gas, 90 days)	350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Remarks on results: other:
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEC (inhalation, rat, gas, 90 days)	100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Remarks on results: other:

a, a-dimethylbenzyl hydroperoxide; cumene hydroperoxide (80-15-9)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Not classified

12. Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute): Not classified

Hazardous to the aquatic environment, long–term (chronic): May cause long lasting harmful effects to aquatic life
Not rapidly degradable

Additional information: No data available.

2-Methyl-2-propenoic acid monoester with 1,2-propanediol (27813-02-1)	
LC50 - Fish [1]	233.174 mg/l Source: ECOSAR
EC50 - Crustacea [1]	> 143 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 97.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	45.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Acetic acid 2-phenylhydrazide ; 2'-Phenylacetohydrazide (114-83-0)	
LC50 - Fish [1]	2.101 mg/l Source: ECOSAR
EC50 96h - Algae [1]	0.852 mg/l Source: ECOSAR

12. Ecological information

a, a-dimethylbenzyl hydroperoxide; cumene hydroperoxide (80-15-9)	
LC50 - Fish [1]	3.9 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	18.84 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability

Persistence and degradability	Biodegradability in water: no data available

12.3. Bioaccumulative potential

Bioaccumulative potential	No bioaccumulation data available.

2-Methyl-2-propenoic acid monoester with 1,2-propanediol (27813-02-1)	
Partition coefficient n-octanol/water (Log Pow)	0.48

Acetic acid 2-phenylhydrazide ; 2'-Phenylacetohydrazide (114-83-0)	
Partition coefficient n-octanol/water (Log Pow)	0.7

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment B243

PBT:

not relevant – no registration required

vPvB:

not relevant – no registration required

12.6. Other adverse effects

Additional information:

No other effects known.

13. Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste):	Disposal must be done according to official regulations
Product/Packaging disposal recommendations:	Avoid release to the environment
HP Code:	HP3 - "Flammable:" – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C; – flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; – water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; – other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment.

14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

No supplementary information available 14.6. Special precautions for user

Overland transport	Not regulated
Transport by sea	Not regulated
Air transport	Not regulated
Inland waterway transport	Not regulated
Rail transport	Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/ Legislation Specific for the Substance or Mixture:

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)
Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)
Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)
Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)
Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)
Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.
Drug Precursors Regulation (273/2004)
Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

16. Other Information

Full text of H- and EUH-statements:	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H242	Heating may cause a fire.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.

Full text of H- and EUH-statements:	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Org. Perox. F	Organic Peroxides, Type F
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

The classification complies with: **ATP 12**

Safety Data Sheet (SDS), EU

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.