

**SECTION 1: Product identifier**
**1.1. Product identifier**

Product form : Mixture  
 Product name : UBD (Under Bonnet Degreaser)

**1.2. Other means of identification**

No additional information available

**1.3. Recommended use of the chemical and restrictions on use**

Recommended use : Degreaser

**1.4. Supplier's details**
**Supplier**

Sydney Solvents Pty Ltd  
 3-10 Production Place  
 Jamisontown, NSW 2750  
 T 02 4722 5060 (office hours) - F 02 4722 5070  
[sales@sydney-solvents.com.au](mailto:sales@sydney-solvents.com.au) - [www.sydney-solvents.com.au](http://www.sydney-solvents.com.au)

**1.5. Emergency phone number**

Emergency number : Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)  
 Emergency Chemcall : 1800 127 406

**SECTION 2: Hazards identification**
**2.1. Classification of the hazardous chemical**
**Classification according to the model Work Health and Safety Regulations (WHS Regulations)**

Skin corrosion/irritation, Category 1B H314  
 Serious eye damage/eye irritation, Category 1 H318

**2.2. Label elements**

Hazard pictograms (GHS AU) :



GHS05  
 Corrosion

Signal word (GHS AU) : Danger  
 Contains : Sodium metasilicate (10 – 30 %); Sodium hydroxide (< 1 %)  
 Hazard statements (GHS AU) : H314 - Causes severe skin burns and eye damage  
 Precautionary statements (GHS AU) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
 P363 - Wash contaminated clothing before reuse.  
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 - Immediately call a POISON CENTER or doctor.  
 P405 - Store locked up.

# UBD (Under Bonnet Degreaser)

## Safety Data Sheet

according to the Model Work Health and Safety Regulations dated January 1, 2021

Unknown acute toxicity (GHS AU) : P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
: 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

Name	CAS-No.	%
Sodium metasilicate	6834-92-0	10 – 30
2-Butoxyethanol	111-76-2	1 – 5
Adenine	73-24-5	0.1 - 1
Sodium hydroxide	1310-73-2	< 1
Non-hazardous or chemicals not contributing to final classification	Proprietary	To 100%

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Immediately call a POISON CENTER/doctor.  
First-aid measures after inhalation : If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
First-aid measures after skin contact : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.  
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. Immediately call a POISON CENTER or doctor.  
First-aid measures after ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. Never give anything by mouth to an unconscious person.

### 4.2. Symptoms caused by exposure

Symptoms/effects after inhalation : Causes burns to the respiratory system.  
Symptoms/effects after skin contact : Causes severe skin burns. Symptoms may include redness, pain, blisters.  
Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.  
Symptoms/effects after ingestion : May be harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

### 4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray or fog.  
Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. May release hazardous fumes.  
General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

# UBD (Under Bonnet Degreaser)

## Safety Data Sheet

according to the Model Work Health and Safety Regulations dated January 1, 2021

### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
- Hazchem Code : 2R

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
- Methods for cleaning up : Neutralise spill carefully with any weak acid and flush remainder with plenty of water. Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
- Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store locked up. Keep in a cool, well-ventilated place. Keep away from incompatible materials. Store in original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters - exposure standards

#### Sodium hydroxide (1310-73-2)

##### USA - ACGIH - Occupational Exposure Limits

ACGIH OEL C	2 mg/m <sup>3</sup>
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#### 2-Butoxyethanol (111-76-2)

##### Australia - Occupational Exposure Limits

OES TWA [1]	96.9 mg/m <sup>3</sup>
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# UBD (Under Bonnet Degreaser)

## Safety Data Sheet

according to the Model Work Health and Safety Regulations dated January 1, 2021

2-Butoxyethanol (111-76-2)	
OES TWA [2]	20 ppm
OES STEL	242 mg/m <sup>3</sup>
OES STEL [ppm]	50 ppm
USA - ACGIH - Occupational Exposure Limits	
Local name	2-Butoxyethanol (EGBE)
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2020
USA - ACGIH - Biological Exposure Indices	
BEI	200 mg/g creatinine Parameter: Butoxyacetic acid with hydrolysis - Medium: urine - Sampling time: end of shift

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate engineering controls

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

### 8.4. Personal protective equipment

Hand protection : Wear suitable gloves resistant to chemical penetration  
Eye protection : Wear eye/face protection  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
Environmental exposure controls : Avoid release to the environment.  
Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

Physical state : Liquid  
Appearance : Transparent.  
Colour : Cherry Red  
Odour : No data available  
Odour threshold : No data available  
pH : ≈ 13  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point / Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available  
Relative density : 1.11  
Density : No data available  
Solubility : No data available  
Partition coefficient n-octanol/water : No data available  
Explosive properties : No data available  
Explosive limits : No data available  
Minimum ignition energy : No data available

# UBD (Under Bonnet Degreaser)

## Safety Data Sheet

according to the Model Work Health and Safety Regulations dated January 1, 2021

Fat solubility : No data available

### SECTION 10: Stability and reactivity

Reactivity : No dangerous reactions known under normal conditions of use.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.  
Conditions to avoid : Heat. Incompatible materials.  
Incompatible materials : Strong acids. Strong bases. Strong oxidizers.  
Hazardous decomposition products : May include, and are not limited to: oxides of carbon. May release hazardous fumes.

### SECTION 11: Toxicological information

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

Sodium hydroxide (1310-73-2)	
LD50 oral rat	325 mg/kg
LD50 dermal rabbit	1350 mg/kg

2-Butoxyethanol (111-76-2)	
LD50 oral rat	470 mg/kg
LD50 oral	1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 dermal rabbit	435 mg/kg
LC50 inhalation rat	2.35 mg/l
LC50 inhalation rat	486 ppm/4h

Adenine (73-24-5)	
LD50 oral rat	227 mg/kg

Sodium metasilicate (6834-92-0)	
LD50 oral rat	1153 mg/kg
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 inhalation rat	> 2.06 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

Unknown acute toxicity (GHS AU) : 1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

Skin corrosion/irritation : Causes severe skin burns.

pH: 13

Serious eye damage/irritation : Causes serious eye damage.

pH: 13

Respiratory or skin sensitisation : Not classified.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified.

STOT-single exposure : Not classified.

Sodium hydroxide (1310-73-2)	
STOT-single exposure	May cause respiratory irritation.

Sodium metasilicate (6834-92-0)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified.

# UBD (Under Bonnet Degreaser)

## Safety Data Sheet

according to the Model Work Health and Safety Regulations dated January 1, 2021

2-Butoxyethanol (111-76-2)	
NOAEL (dermal, rat/rabbit, 90 days)	> 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Sodium metasilicate (6834-92-0)	
NOAEL (oral, rat, 90 days)	227 – 237 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Aspiration hazard	: Not classified.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye

## SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

### 12.1. Ecotoxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.
Other information	: No other effects known.

Sodium hydroxide (1310-73-2)	
LC50 - Fish [1]	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	40 mg/l
2-Butoxyethanol (111-76-2)	
LC50 - Fish [1]	1490 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 - Fish [2]	2950 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'
Partition coefficient n-octanol/water	0.81 (at 25 °C)

Adenine (73-24-5)	
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna

Sodium metasilicate (6834-92-0)	
LC50 - Fish [1]	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
LC50 - Fish [2]	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
EC50 - Crustacea [1]	1700 mg/l Test organisms (species): Daphnia magna

### 12.2. Persistence and degradability

UBD (Under Bonnet Degreaser)	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

UBD (Under Bonnet Degreaser)	
Bioaccumulative potential	Not established.

# UBD (Under Bonnet Degreaser)

## Safety Data Sheet

according to the Model Work Health and Safety Regulations dated January 1, 2021

2-Butoxyethanol (111-76-2)	
Partition coefficient n-octanol/water	0.81 (at 25 °C)

### 12.4. Mobility in soil

2-Butoxyethanol (111-76-2)	
Partition coefficient n-octanol/water	0.81 (at 25 °C)

### 12.5. Other adverse effects

Ozone : Not classified.  
Other adverse effects : No additional information available

UBD (Under Bonnet Degreaser)	
Fluorinated greenhouse gases	False

Sodium hydroxide (1310-73-2)	
Fluorinated greenhouse gases	False

2-Butoxyethanol (111-76-2)	
Fluorinated greenhouse gases	False

Adenine (73-24-5)	
Fluorinated greenhouse gases	False

Sodium metasilicate (6834-92-0)	
Fluorinated greenhouse gases	False

## SECTION 13: Disposal considerations

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

### 14.1. UN number

UN-No. (ADG) : 1719  
UN-No. (IMDG) : 1719  
UN-No. (IATA) : 1719

### 14.2. Proper Shipping Name - Addition

Proper Shipping Name (ADG) : CAUSTIC ALKALI LIQUID, N.O.S. (Sodium metasilicate)  
Proper Shipping Name (IMDG) : CAUSTIC ALKALI LIQUID, N.O.S. (Sodium metasilicate)  
Proper Shipping Name (IATA) : Caustic alkali liquid, n.o.s. (Sodium metasilicate)

### 14.3. Transport hazard class(es)

#### ADG

Transport hazard class(es) (ADG) : 8  
Danger labels (ADG) : 8



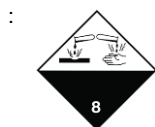
#### IMDG

Transport hazard class(es) (IMDG) : 8  
Danger labels (IMDG) : 8

# UBD (Under Bonnet Degreaser)

## Safety Data Sheet

according to the Model Work Health and Safety Regulations dated January 1, 2021



### IATA

Transport hazard class(es) (IATA) : 8

Danger labels (IATA) : 8



### 14.4. Packing group

Packing group (ADG) : III - substances presenting low danger

Packing group (IMDG) : III

Packing group (IATA) : III

### 14.5. Environmental hazards

Marine pollutant : No

Dangerous for the environment : No

Other information : No supplementary information available.

### 14.6. Special precautions for user

Specific storage requirement : No data available

Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available.

Special transport precautions : Do not handle until all safety precautions have been read and understood.

#### Transport by road and rail

UN-No. (ADG) : 1719

Special provision (ADG) : 223, 274

Limited quantities (ADG) : 5I

Packing instructions (ADG) : P001, IBC03

Portable tank and bulk container instructions (ADG) : T7

Portable tank and bulk container special provisions (ADG) : TP1, TP28

#### Transport by sea

UN-No. (IMDG) : 1719

#### Air transport

UN-No. (IATA) : 1719

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : 2R

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No additional information available

### 15.2. International agreements

No additional information available



# UBD (Under Bonnet Degreaser)

## Safety Data Sheet

according to the Model Work Health and Safety Regulations dated January 1, 2021

### SECTION 16: Other information

Revision date : 22/07/2021  
Expiry date : 22/07/2026  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



Classification	
Skin Corr. 1B	H314
Eye Dam. 1	H318

Safety Data Sheet (SDS), Australia - Nexreg 2021

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