



# SAFE BITUMEN REMOVER (NEW FORMULA)

SDS VERSION 1.0, 12<sup>TH</sup> MARCH 2021.

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: SAFE BITUMEN REMOVER (NEW FORMULA)  
RECOMMENDED USE: Removing asphalt and bitumen.  
SUPPLIER NAME: Green Kiwi Clean  
ADDRESS: CHRISTCHURCH  
EMAIL: info@greenkiwiclean.co.nz  
Phone: 0800 35 35 85  
Emergency Telephone: International: +643 479 7227  
New Zealand: 0800 764 766 (NZ NATIONAL POISON CENTRE)

## 2. HAZARD IDENTIFICATION

HAZARD CLASSIFICATION: **HAZARDOUS** according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

HAZARD CATEGORY (GHS):

- Flammable liquids Category 4
- Skin corrosion/irritation Category 3
- Serious eye damage/eye irritation Category 2B
- Aquatic toxicity (Acute) Category 3
- Ecotoxic to terrestrial vertebrates

Hazard statement: **WARNING**

HSNO classes: **3.1D, 6.3B, 6.4A, 9.1D, 9.3C**

Hazard statement codes:

- H227 Combustible liquid.
- H316 Causes mild skin irritation.
- H320 Causes eye irritation.
- H402 Harmful to aquatic life
- H413 May cause long lasting harmful effects to aquatic life.
- H433 Harmful to terrestrial vertebrates.

Prevention statements:

- P103 Read label before use.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves and eye/face protection.
- P273 Avoid release to the environment.
- P391 Collect spillage.

Response statement codes:

- P303 + P361 + P352 IF ON SKIN/HAIR: Remove contaminated clothing immediately. Wash with plenty of soap and water.
- P304 + P340 IF INHALED: Breathe fresh air. Rest in a comfortable position.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P370 + P378: In case of fire, use carbon dioxide, dry chemical, foam.

Storage statement code:

- P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal statement code: P501 Dispose of product and packaging in accordance with local regulations.

The information contained in this SDS is specific to the product when handled and used neat. This product when diluted/mixed may not require the same control measures as the neat product. Check with your technical representative if in doubt.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

The following ingredients are considered either hazardous, dangerous goods or poison scheduled according to the criteria of SWA, AUG Code and SUSDP (respectively) at the levels used in the product.

INGREDIENT	CAS No.	PROPORTION (% w/w)
2-Butoxyethanol	111-76-2	15-30%
Alkyl C14 – C24 Methyl Esters	67784-80-9	15-30%

**4. FIRST AID MEASURES**

INGESTION: Rinse mouth out with water. Do NOT induce vomiting.

EYE CONTACT: Flush with water for several minutes. Remove contact lenses. Continue rinsing for at least 15 minutes.

SKIN CONTACT: Wash hands thoroughly after handling.

INHALATION: Remove from source of exposure to fresh air.

**5. FIRE FIGHTING METHODS**

SUITABLE EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam.

HAZARDS FROM COMBUSTION: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is very low risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Smoke and fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE EQUIPMENT: If a significant quantity of this product is involved in a fire, call the fire brigade. Fire fighters should wear self-contained breathing apparatus to minimise risk of exposure.

HAZCHEM CODE: 2R

**6. ACCIDENTAL RELEASE MEASURES**

EMERGENCY PROCEDURES: In a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. As a minimum, wear goggles and gloves (Nitrile, nitrile latex, fluoro carbon rubber, polychloroprene). If there is a chance of vapour build-up in the cleanup area, use a respirator.

CONTAINMENT AND CLEAN UP: Stop leak if safe to do so. Contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Prevent spill from accessing drains or waterways. Avoid using combustible material. Any electrical equipment should be non-sparking. Sweep up or collect recoverable product into labelled containers and dispose of promptly.

**7. HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING: Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition. Avoid inhalation of vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

CONDITIONS FOR SAFE STORAGE: Store in a cool, dry, well-ventilated area out of sunlight and away from other chemicals and foodstuffs. Containers should be kept closed in order to minimise contamination and evaporation. Check regularly for leaks or spills. Make sure that surrounding electrical devices and switches are suitable. Do not combine part drums of the same product, as this may cause contamination. Do not mix with other chemicals.

Materials to avoid: Keep away from oxidizing agents.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

NATIONAL EXPOSURE STANDARDS: No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

BIOLOGICAL LIMIT VALUES: No biological limit allocated.

ENGINEERING CONTROLS: Use only in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

PPE: Recommend PVC/rubber gloves, safety glasses and safety shoes. Observe good standards of hygiene and cleanliness. Trousers, long sleeved shirt and closed shoes should be worn as a general precaution. Eye bath should be readily available.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

APPEARANCE:	Clear brown liquid
ODOUR:	None
Ph (NEAT):	7.0
SPECIFIC GRAVITY:	No information available.
VAPOUR PRESSURE:	No information available.
BOILING POINT / RANGE:	Not determined
FREEZING / MELTING POINT:	No information available.
SOLUBILITY:	No information available.

## SAFETY DATA SHEET

FLASH POINT:	No information available.
Flammability Class:	May be combustible
FLAMMABILITY LIMITS:	Unknown
IGNITION TEMPERATURE:	Unknown
SHELF LIFE:	2 years from date of manufacture (when stored as directed).

**10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Heat, flames and sparks.

INCOMPATIBLE: Strong oxidising agents.

FIRE DECOMPOSITION: Combustion may form carbon dioxide, carbon monoxide or smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

POLYMERISATION: This product will not undergo polymerisation reactions

**11. TOXICOLOGICAL INFORMATION**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

INHALATION: May irritate respiratory tract, sore throat, coughing, shortness of breath, dizziness, and nausea.

SKIN CONTACT: Product is not harmful. It should present no hazards in normal use. However it may be slightly irritating, but is unlikely to cause more than mild transient discomfort.

EYE CONTACT: Product may be mildly irritating to eyes, but unlikely to cause more than mild transient discomfort.

LONG TERM EXPOSURE: No data for health effects associated with long term skin/eye exposure.

INGESTION: May cause some abdominal pain, nausea, vomiting, diarrhea, and dizziness.

CARCINOGEN STATUS: SWA: No significant ingredient is classified as carcinogenic by SWA, NTP or IARC.

LD<sub>50</sub>: 3880

**12. ECOLOGICAL INFORMATION**

Components: 2-butoxyethanol:

TOXICITY TO FISH: LC<sub>50</sub> (Oncorhynchus mykiss (rainbow trout)): 1,474 mg/l Exposure time: 96 h Test substance: Fresh water Method: OECD Test Guideline 203

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES: EC<sub>50</sub> (Daphnia magna (Water flea)): 1,550 mg/l Exposure time: 48 h Test Type: static test Test substance: Fresh water Method: OECD Test Guideline 202

TOXICITY TO ALGAE: NOEC (Selenastrum capricornutum (green algae)): 286 mg/l Exposure time: 72 h Test Type: static test Test substance: Fresh water Method: OECD Test Guideline 201.

PERSISTENCE/DEGRADABILITY: Product is biodegradable, will not accumulate in soil/water, or cause long term problems.

MOBILITY: No information available.

**13. DISPOSAL CONSIDERATIONS**

This product may be recycled if unused, or uncontaminated. If it has been contaminated, reclaim (filtration/distillation), consider controlled incineration, or contact a specialist waste disposal company. Avoid unauthorised discharge of any chemicals to sewer.

**14. TRANSPORT INFORMATION**

ROAD AND RAIL TRANSPORT: NOT Classified as DANGEROUS GOODS by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

MARINE TRANSPORT: NOT Classified as DANGEROUS GOODS by the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT: NOT Classified as DANGEROUS GOODS by the International Air Transport Association (IATA) for transport by air.

**15. REGULATORY INFORMATION**

COUNTRY/ REGION: New Zealand

STATUS: Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

POISONS SCHEDULE (AUS): Not scheduled.

APVMA/AQIS/TGA STATUS: Not relevant.

HAZARD CLASSIFICATIONS: **3.1D, 6.3B, 6.4A, 9.1D, 9.3C**

GROUP STANDARD: Cleaning Products (Combustible) Group Standard 2020 - HSR002525.

## 16. OTHER INFORMATION

SDS ISSUE NUMBER: 1.0

SDS ISSUE DATE: 12/3/2021

REASON(S) FOR ISSUE: New Product.

THIS ISSUE NUMBER REPLACES ALL PREVIOUS ISSUES

In any event, the review and, if necessary, the re-issue of a SDS shall be no longer than 5 years after the last date of issue.

### LEGEND:

AICS Australian Inventory of Chemical Substances

APVMA Australian Pesticides and Veterinary Medicines Authority

AQIS Australian Quarantine and Inspection Service

AS Australian Standard (as issued by Standards Australia)

NOHSC National Occupational Health and Safety Commission

PPE Personal Protective Equipment

SDS Safety Data Sheet

STEL Short Term Exposure Limit. A 15-min TWA exposure, not to be exceeded at any time during a working day, even if the 8-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not exceed 15-min and should not be repeated more than 4 times per day. There should be at least 60-min between successive exposures at the STEL.

TGA Therapeutic Goods Administration

TLV Threshold Limit Value. TLV is a proprietary name registered by the American Conference of Governmental Industrial Hygienists (ACGIH) and refers to airborne concentrations of substances or levels of physical agents to which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect.

TWA Time Weighted Average. The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

This SDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product and in particular how to safely handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request. This SDS may only be reproduced in full. Summaries or excerpts from this MSDS may not contain all the relevant information and thus are not permitted.

**End of SDS**