

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product name : KONSTRUKT BRAKE CLEANER
Product code : KONS-BRAKEC20LT

Manufacturer or supplier's details

Company : Synergy Business Systems Pty Ltd
Address : Suite 2, Level 7, 104 Melbourne Street, South Brisbane, QLD 4101
Telephone : 1300 161 872
Emergency telephone number : 131 126
Website : www.synergysystems.com.au
Poisons Information Centre : 131 126

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification : Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Aspiration Hazard: Category 1

Flammable Liquids: Category 2

Skin Corrosion/Irritation: Category 2

STOT Repeated Exposure: Category 1

STOT Single Exposure: Category 3 (respiratory tract irritation)

Toxic to Reproduction: Category 2

GHS Label elements

Hazard pictogram(s)



Signal word

DANGER

Hazard Statements

- : Highly flammable liquid and vapour.
- : May be fatal if swallowed and enters airways.
- : Causes skin irritation.
- : May cause respiratory irritation.
- : Suspected of damaging fertility or the unborn child.
- : Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements Prevention

- : Obtain special instructions before use.
- : Do not handle until all safety precautions have been read and understood.
- : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- : Keep container tightly closed.
- : Ground/bond container and receiving equipment.
- : Use explosion-proof electrical/ventilating/lighting/tools/equipment.

SECTION 2 HAZARDS IDENTIFICATION (CONTINUED)

- : Use only non-sparking tools.
- : Do not breathe dust/fume/gas/mist/vapours/spray.
- : Wash contaminated skin thoroughly after handling.
- : Do not eat, drink or smoke when using this product.
- : Use only outdoors or in a well-ventilated area.
- : Wear protective gloves/protective clothing/eye protection/face protection.

- Precautionary Statements Response**
- : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 - : Do NOT induce vomiting.
 - : IF ON SKIN: Wash with plenty of soap and water.
 - : Take off contaminated clothing and wash before reuse.
 - : If skin irritation occurs: Get medical advice/attention.
 - : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - : IF exposed or concerned: Get medical advice/attention.
 - : Call a POISON CENTER or doctor/physician if you feel unwell.
 - : In case of fire : Use CO₂, dry chemical or foam for extinction.

- Precautionary Statements Storage**
- : Store in a well-ventilated place. Keep container tightly closed.
 - : Store in a well-ventilated place. Keep cool.
 - : Store locked up.

- Precautionary Statements Disposal**
- : Dispose of contents/container to an approved waste facility

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No	Proportion
Solvent Naptha	64742-89-8	>90-<100 %
n-Hexane	110-54-3	>10-<30 %
Ethyl benzene	100-41-4	>0-<10 %

SECTION 4 FIRST AID MEASURES

- First Aid Facilities** : Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
- Inhalation** : Remove from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.
- Skin contact** : If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water.
- Eye contact** : If in eyes, hold eyes open, flood with water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist seek urgent medical attention.
- Ingestion** : If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, lean patient forward or place patient on left side to maintain open airway and avoid aspiration.
- Advice to Doctor** : Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

- Suitable Extinguishing Media** : Water spray or fog may be used to cool containers. Foam, dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet.
- Hazards from Combustion Products** : Carbon monoxide may be evolved during a fire. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.
- Special Protective Equipment for fire fighters** : Wear full protective clothing and self-contained breathing apparatus.
- Hazchem Code** : 3YE

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Emergency Procedures** : Observe all local and national regulations.
- Spills & Disposal** : Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.
- Clean-up Methods Small Spillages** : Remove all ignition sources. For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Use an appropriate absorbent material to pick up residue and dispose of safely.
- Clean-up Methods Large Spillages** : Clear all personnel and move upwind. Remove ignition sources. For larger spills (>1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Use an appropriate absorbent material to clean up residues and dispose of safely.

SECTION 7 HANDLING AND STORAGE

- Handling & Storage** :
- : Avoid breathing of or contact with material.
 - : Use in well ventilated areas.
 - : Wash thoroughly after handling.
 - : Avoid contact with skin and eyes and clothing.
 - : Handle open containers in well ventilated area.
 - : Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded.
 - : Do not empty into drains.
 - : Do not eat, drink or smoke in contaminated areas.
 - : Before eating, drinking or smoking, remove contaminated clothing and wash hands.
 - : Do not store near strong oxidants.
- Precautions for Safe Handling** : Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.
- Other Information** : Highly flammable

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Occupational exposure limit values** : Worksafe Australia has set an exposure limit for this product. The following TWA's (8hrs) are recommended X55 450mg/m³, Hexane 72mg/m³.
- Appropriate Engineering Controls** :
: Ensure that adequate ventilation is provided.
: Maintain air concentrations below recommended exposure standards.
: Avoid generating and inhaling mists.
: Keep containers closed when not in use.
- Respiratory Protection** :
: If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment.
: When using respirators, select an appropriate combination of mask and filter and select a filter for organic gases and vapours (boiling point >65°).
: Respirators should comply with ASI 716 or an equivalent approved by a state/territory authority.
- Eye Protection** : Wear safety goggles.
- Hand Protection** : Use solvent resistant gloves. Nitrile for longer term protection or PVC and neoprene for incidental splashes.
- Body Protection** : Use chemical resistant gloves/gauntlets, boots and apron.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Form	: Liquid	Vapour Pressure	: 34.5 (kPa @ 20°)
Appearance	: Clear colourless liquid.	Volatile Component	: 100%
Odour	: Petrochemical odour.	Flash Point	: -30°C
Boiling Point	: Typical 50°C-135°C	Flammability	: Highly Flammable.
Solubility in Water	: Immiscible with water.	Explosion Limit - Upper	: 7.5%
Specific Gravity	: 0.67-0.76 (g/ml@ 20°)	Explosion Limit - Lower	: 1.0%
pH	: N/A.		

SECTION 10 STABILITY AND REACTIVITY

- Chemical Stability** : Stable under normal conditions of use.
- Conditions to Avoid** : Avoid heat, sparks, open flames and other ignition sources.
- Incompatible materials** : Strong oxidising agents.
- Hazardous Decomposition** : Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

SECTION 11 TOXICOLOGICAL INFORMATION

- Ingestion** : Harmful, may cause lung damage if swallowed. Ingestion will irritate the gastric tract which may cause nausea and vomiting. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis and/or death.

SECTION 2 HAZARDS IDENTIFICATION (CONTINUED)

Inhalation	:	Inhalation of vapours or mists may cause irritation to the respiratory system. Inhalation of high concentrations may lead to headache, dizziness, nausea, vomiting or drowsiness. Continued inhalation may result in unconsciousness and/or death.
Skin	:	Irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Eye	:	May cause irritation in contact with the eyes, which can result in redness, stinging and tearing.
Chronic effects	:	Prolonged or repeated skin contact may cause irritation leading to dermatitis.
	:	Prolonged inhalation of high vapour concentrations may cause drowsiness and lead to narcosis and/or death.
	:	This product contains n-Hexane which may have effects on the central nervous system and especially peripheral nervous system, resulting in polyneuropathy.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity	:	Toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment.
Persistence and degradability	:	Expected to be biodegradable.
Mobility	:	Immiscible with water. Has the potential to bioaccumulate.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal	:	Ensure waste disposal conforms to local waste disposal regulations.
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SECTION 14 TRANSPORT INFORMATION

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- **Class 1:** Explosives
- **Class 2.1:** Flammable Gases, if both the Class 3 & Class 2.1 dangerous goods are in bulk
- **Class 2.3:** Toxic Gases
- **Class 4.2:** Spontaneously Combustible Substances
- **Class 5.1:** Oxidising Agents and Class 5.2, Organic Peroxides
- **Class 6:** Toxic Substances (where the flammable liquid is nitromethane)
- **Class 7:** Radioactive Substances.

U.N. Number	:	1268
UN proper shipping name	:	PETROLEUM DISTILLATES, N.O.S.(Solvent Naptha)
Transport hazard class(es)	:	3
Packing Group	:	II
Hazchem Code	:	3YE
IERG Number	:	14
IMDG UN No	:	1268
IMDG Hazard Class	:	3
IMDG Pack. Group	:	II
IMDG Marine pollutant	:	No
IMDG EMS	:	F-E, S-E

SECTION 15 REGULATORY INFORMATION

Poisons Schedule	:	S5
Australia (AICS)	:	All ingredients are listed.

SECTION 16 OTHER INFORMATION

Issue Date : 17th June, 2022
Version Number : 5
Reason for revision : Additional chronic toxicology information added.

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER.

Always use product as directed. Never return any unused material to original drum.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writers knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this product.