Konstrukt

KONS-BRAKEC
SAFETY DATA SHEET
Date of Issue: 20th October 2021

1. STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: SYNERGY BUSINESS SYSTEMS PTY LTD

ADDRESS: LEVEL 1 225 MONTAGUE ROAD, WEST END QLD 4101

Trade Name: KONSTRUKT BRAKE CLEANER

TELEPHONE: 1300 161 872

EMAIL: SUPPORT@SYNERGYSYSTEMS.COM.AU

AH EMERGENCY TELEPHONE: 13 11 26 in Australia

ABN: 98 142 397 886

Product Use: Degreaser

Substance: Water Based

Creation Date: October 2021

Product Code: KONS-BRAKEC

Revision Date: October 2026

2. HAZARD IDENTIFICATION

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

Signal Words(s)	DANGER
Hazard Statement(s)	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.
Pictogram(s)	Flame,Exclamation mark,Health hazard 

Precautionary Statement	
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//equipment. 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.
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.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container to an approved waste facility.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Solvent Naptha	64742- 89- 8	> 90- <100 %
n- Hexane	110- 54- 3	> 10- <30 %
Ethyl benzene	100- 41- 4	> 0- <10 %

4. FIRST-AID MEASURES

Inhilation	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.
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.

Skin	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.
First Aid Facilities	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
Advice to Doctor	Treat symptomatically.

5. FIRE-FIGHTING 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

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.

7. HANDLING AND STORAGE

Handling and 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

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°C). Respirators should comply with AS1716 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Explosion Limit - Upper	7.5%
Explosion Limit - Lower	1.0%

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 Products	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.

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.
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 defating 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.

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.

13. DISPOSAL CONSIDERATIONS

Disposal considerations	Ensure waste disposal conforms to local waste disposal regulations.

14. TRANSPORT INFORMATION

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 and 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

15. REGULATORY INFORMATION

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

16.OTHER INFORMATION

Other Information	Version: 4 Reason for revision: GHS Update 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.

END OF SDS