

SAFETY DATA SHEET

Date of Issue: 8th April, 2013

Issue Number: 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT:	TAGG OFF	
USE:	Graffiti Remover	
COMPANY IDENTIFICATION:	Hi-Chem NZ Ltd trading as Cyndan Chemicals Ltd 3 Margaret Williams Drive Papakura PO Box 72 088 Papakura 2244 tel (9) 298 5635 fax (9) 298 5422	
Emergency Telephone Numbers:	Hi-Chem NZ Ltd	027 432 4217
	NATIONAL POISON CENTRE	0800 764 766
	POLICE, FIRE, AMBULANCE	111

2. HAZARDOUS IDENTIFICATIONS:

EMERGENCY OVERVIEW

HSNO Approval Code: HSR002528

HSNO Hazard Classifications: 3.1C, 6.1E, 6.3A, 6.4A, 6.5B, 6.8A, 6.9, 9.1A

Refer to www.epa.govt.nz for Controls for this substance.

Signal word: DANGER

Hazard Statements

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters the airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation
- H360 May damage fertility or the unborn child.
- H410 Very toxic to aquatic life with long lasting effects.

Prevention Statements

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.

- P243 Take precautionary measures against static discharge.
 P261 Avoid breathing mist/vapours/spray.
 P264 Wash hands thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to then environment.
 P280 Wear protective gloves, protective clothing and eye/face protection.
 P281 Use personal protective equipment as required.

Response Statements:

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
 P331 Do NOT induce vomiting.
 P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P303 + P361 + P353 IN ON SKIN (or hair): Remove immediately all contaminated clothing.
 P362 Take off contaminated clothing and wash before re-use.
 P333 + P313 If skin irritation or rash occurs: Get medical advice.
 Rinse skin with water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical attention.
 P308 + P313 If exposed or concerned: Get medical advice.
 P312 Call a POISON CENTRE is doctor if you feel unwell.
 P391 Collect spillage.

Storage Statements:

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P235 Keep cool.
 P405 Store locked up.

Disposal Statements:

- P501 Dispose of container/contents safely without contaminating waterways.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common name	CAS. No	% w/w
d-limonene	5989-27-5	>60
N-methyl-2-pyrrolidone	872-50-4	10 - 30
Alcohol	Proprietary	1 - 10
Mono-p-nonylphenyl ether, branched, ethoxylated	127087-87-0	1- 10

4. FIRST AID MEASURES

If medical advice is needed, have product container or label at hand. Consult the National Poisons Centre, telephone 0800 764 766 [0800 POISON] or a doctor in every case of suspected poisoning.

INGESTION: Rinse mouth thoroughly with water. Do NOT induce vomiting. Contact POISON CENTRE or doctor immediately for advice. If vomiting may occur, lean patient forward or place on left side (with head in down position) to maintain open airway and to prevent aspiration.

INHALATION: Move person to fresh air and keep warm and at rest until recovered. If recovery is not rapid get medical advice.

Apply artificial respiration if not breathing preferably with a demand valve resuscitator, bag-valve mask device or pocket mask. Get immediate medical assistance.

SKIN: Immediately remove contaminated clothing and wash affected area with soap and water. Get medical attention if irritation persists or rash develops. Launder contaminated clothing before re-use.

EYES: Hold eyes open and rinse with water for several minutes. Remove contact lenses, if present and easy to do after first 5 minutes. Continue rinsing until medical assistance available. Take care not to wash contaminated water into the unaffected eye or onto face. Get medical attention if irritation persists.

FIRST AID FACILITIES: Provide eye baths and hand washing facilities.

NOTES TO PHYSICIAN: Treat symptomatically. Aspiration of product into the lungs during vomiting may result in lung injury.

5. FIRE FIGHTING MEASURES

Flammable liquid and vapour. Alert Fire Brigade of location and type of hazard. Evacuate people to safe distance. Eliminate/isolate sources of ignition. Wear personal protective equipment. Prevent by any means possible, spilt liquid from entering drains, sewers or waterways.

FLASH POINT: 46°C

EXPLOSIVE LIMITS: LEL: 0.8% UEL: 6.4%

EXTINGUISHING MEDIA: Water fog or fine water spray, alcohol stable foam, dry chemical powder and carbon dioxide. Try to contain any water to avoid contamination of drains and water-courses.

FIRE & EXPLOSION HAZARDS: Liquid and vapour are flammable. Vapour forms explosive mixture with air. Moderate explosion and fire hazard when exposed to heat or flame. **WARNING:** Long standing in contact with air and light may result in the formation of potentially explosive peroxides.

Avoid contamination with oxidizing agents, e.g. nitrates, oxidizing acids, chlorine bleaches, pool chemicals, et ignition may result.

Combustion products may contain carbon dioxide, carbon monoxide, nitrogen compounds and other harmful substances.

FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and personal protection clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: For minor spills, remove/isolate ignition sources. Contain spill. Clean up spill immediately. Avoid breathing vapours and contact with skin or eyes. Use personal protective equipment. Recover liquid, or absorb with inert material, e.g. sand, vermiculite, to suitable labeled container that can be sealed. Recycle product or dispose of safely.

In event of large spills contact Fire Brigade. Evacuate people to safe distance. Prevent contamination of drains, sewers or waterways. Eliminate/isolate sources of ignition. Prevent access by unprotected personnel. Avoid breathing vapour and prevent eye and skin contact. Wear personal protective equipment including breathing apparatus. Wash and dry protective clothing and equipment after use.

DISPOSAL: If product is unable to be recycled, dispose of product and waste containing this product to landfill or other means in accordance with any local regulations. Consult the Local or Regional Council.

7. HANDLING AND STORAGE

HANDLING: Obtain special instructions before use. Do not use until all safety precautions have been read and understood. Avoid all personal contact. Wear personal protective equipment. Use in well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Keep container closed when not in use. Do not contaminate foodstuffs. Wash hands after use.

STORAGE: Store locked up in approved flammable liquid storage area. Store in original tightly closed containers in a cool (preferably at less than 30 °C) dry well-ventilated area out of direct sunlight and out of reach of children, away from incompatible substances, food and animal feedstuffs. Do not store in basements or areas where vapours may be trapped. No smoking, naked lights, heat or ignition sources. Check container periodically for distortion, corrosion or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: A Workplace Exposure Standard (WES) limit has been set by the NZ Department of Labour for a component in this substance.

	TWA	STEL
1-Methyl-2-pyrrolidone _{skin}	25 ppm (103 mg/m ³)	75 ppm (309 mg/m ³)

ENGINEERING CONTROLS: Use in a well-ventilated area. Take precautions to prevent unintended ignition of product or vapours.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Do not breathe mist or vapours. Wear type AK-P filter with sufficient capacity. Avoid contact with eyes and skin. Wear chemical goggles and chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. rubber. Wear overalls or use PCV apron to protect clothing from contamination. For large volume or continuous use, wear chemical resistant non-static clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Clear liquid
Odour:	Strong solvent odour
Boiling point (°C):	~ 78
Flash point (°C):	46
Autoignition temperature (°C):	Not available
Vapour pressure(kPa at 20°C):	Not available
Density at 20°C, g/ml:	0.85 - 0.90
Solubility in water:	Slightly miscible in water
pH:	Not available

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): Stable under normal storage and use conditions. Avoid storing at temperatures greater than 30 °C. Avoid contact in incompatible materials.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with oxidizing agents and exposure to heat/ignition sources. D-limonene forms unstable peroxides in storage and reacts

strongly with strong oxidisers and may explode or combust. D-limonene is also incompatible with strong acids, peroxides, halogens, vinyl chloride and iodine pentafluoride.

HAZARDOUS DECOMPOSITION PRODUCTS: The decomposition compounds formed will depend on the prevailing conditions /atmosphere. Oxides of carbon (carbon dioxide, carbon monoxide), nitrogen compounds and other harmful compounds could be evolved.

POLYMERISATION: Will not occur with this product.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

INGESTION: Swallowing this product may cause aspiration into the lungs and risk of chemical pneumonitis which can be fatal.

INHALATION: May cause respiratory irritation. Other symptoms may be sleepiness, drowsiness, coughing, nausea, central nervous system depression, headaches, lack of co-ordination,

SKIN: Skin irritant (redness, swelling) and may cause an allergic skin reaction. Absorption through cuts, abrasions or lesions may result in entry to blood system resulting in harmful effects.

EYE: Causes serious eye irritation.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: N-methyl-2-pyrrolidone a component in this product is identified and may cause damage to fertility or the unborn child.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY: This product is very toxic to aquatic life. Avoid release to environment (waterways).

MOVEMENT AND PARTITIONING: Product is slightly miscible in water.

DEGRADATION AND PERSISTENCE: Expected to biodegrade.

13. DISPOSAL CONSIDERATIONS

Dispose of product, waste and container in accordance with Regional Authority or local council bylaws. Disposal to landfill is recommended. Triple rinse empty containers with water and recycle washings. Do not use containers for other products. If recycling is not possible, crush and dispose of container by burying in an approved landfill.

14. TRANSPORT REGULATIONS

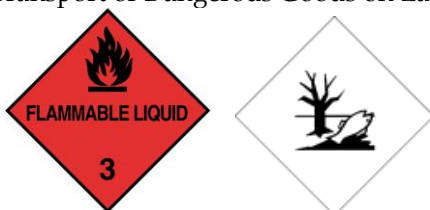
TRANSPORT INFORMATION:

UN Number:	1993
PROPER SHIPPING NAME:	FLAMMABLE LIQUID, N.O.S (contains d-limonene)
Class:	3
Sub Risk:	9
Packing Group:	III
HAZCHEM:	3Y

Dangerous Goods Segregation

This product is classified as a Dangerous Good., Class 3.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.



15. REGULATORY INFORMATION

Classified as hazardous under the HSNO Act 1996 according to criteria of Minimum Degrees of Hazard (Threshold) Regulations, 2001.

HSNO Approval Code: HSR002528 ; Cleaning Products (Flammable) Group Standard 2006. Refer to Section 2 for classifications and to www.epa.govt.nz for Controls and Conditions.

16. OTHER INFORMATION

ISSUE DATE: 8th April 2013
REPLACES: Not applicable
REASONS FOR ISSUE: NZ format SDS.

ABBREVIATIONS:

CAS No.	Chemical Abstracts Service Number
EPA	Environmental Protection Authority
HSNO	Hazardous Substances & New Organisms
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
WES	Workplace Exposure Standard

REFERENCES:

www.epa.govt.nz

Supplier Safety Data Sheet

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). Hi-Chem NZ Ltd disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET