

SAFETY DATA SHEET

Goof Off Graffiti Remover non-NMP

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Goof Off Graffiti Remover non-NMP
Recommended Use: Paint/varnish remover

Overseas Supplier: W.M. Barr and Company
NZ Distributor: Award Concepts Ltd

70 Lady Ruby Drive
East Tamaki
Auckland

09 272 2840

Emergency Contacts: Poisons/ Hazardous Chemical Info Centre
0800 POISON – 0800 764 766 (24 hours)

Product Code: FG673, FG673W

2. HAZARDS IDENTIFICATION

This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001.
This substance is assigned to UN 1950.

Hazard Classification:

- 2.1.2 A – Flammable Aerosol
- 6.1 E – Acute Toxicity
- 6.3 A – Skin Irritant
- 6.4 A – Eye Irritant
- 6.7 B – Carcinogenicity
- 6.8 B – Reproductive toxicity
- 6.9 B – Target organ toxicity
- 9.1 D – Aquatic Toxicity
- 9.3 C – Vertebrate Toxicity

GHS Signal Word: DANGER



Hazard statements:

H221: Flammable gas.
H223: Flammable aerosol.
H280: Containers gas under pressure; may explode if heated
H303: May be harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child
H371	May cause damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life.
H433	Harmful to terrestrial vertebrates.

Prevention statements:

P102	Keep out of reach of children.
P103	Read label before use.
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.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear eye protection.
P281	Use personal protective equipment as required.

Response statements:

P101	If medical advice is needed, have product container or label on hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment see label
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P308 + P313	If exposed or concerned: Get medical advice/ attention
P309 + P311	If exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P337 + P313	If eye irritation persists: Get medical advice/attention
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 + P362	If skin irritation occurs: Get medical advice/ attention.

Storage:

P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Statements:

P501	Dispose of contents/container according to local, state and federal regulations.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
67-64-1	Acetone {2-Propanone}	30.0 - 60.0 %
67-68-5	Methyl sulfoxide {Dimethyl sulfoxide; DMSO}	10.0 - 30.0 %
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	10.0 - 30.0 %
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	7.0 - 13.0 %
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	1.0 - 5.0 %
68439-46-3	Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated)	0.1 - 1.0 %
98-82-8	Cumene {Benzene, 1-Methylethyl- Isopropylbenzene}	0.1 - 1.0 %
110-91-8	Morpholine {Diethylene imidoxide}	0.1 - 1.0 %
66455-14-9	Alcohols, C12-13, ethoxylated	0.1 - 1.0 %

4. FIRST-AID MEASURES

Emergency and First Aid Procedures:

- Skin:** Immediately begin washing the skin thoroughly with large amounts of water and mild soap, if available, while removing contaminated clothing. Seek medical attention if irritation persists.
- Eyes:** Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes, then seek immediate medical attention.
- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
- Ingestion:** If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician, hospital emergency room, or poison control centre immediately. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Suitable

Extinguishing Media: Use carbon dioxide, dry powder, or alcohol resistant foam.

Unsuitable

Extinguishing Media: Do not use straight streams of water. If water is used, use a water spray or fog.

Flash Point: - 17.8°C

Boiling Point: >37.7°C

Autoignition Point: No data.

Fire Fighting Instructions: Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

Hazchem Code: 2YE

6. ACCIDENTAL RELEASE MEASURES

Steps to Be Taken in Case Material is Released or Spilled: Vapours may cause flash fire or ignite explosively. Clean up: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. Use non-sparking tools. Use proper bonding and grounding methods for all equipment and processes. Keep out of waterways and bodies of water. Be cautious of vapours collecting in small enclosed spaces, sewers, low lying areas, confined spaces, etc. Waste Disposal: Dispose in accordance with applicable local, state and federal regulations.

7. HANDLING AND STORAGE

Precautions to Be Taken:

Handling: Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container. Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc. Do not use in small enclosed spaces, such as basements and bathrooms. Vapours can accumulate and explode if ignited. Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

Storing: Store in a cool place in original container and protect from sunlight. Exposure to high temperatures or prolonged exposure to sun may cause can to leak or swell. Do not store near flames or at elevated temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSH TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
67-64-1	Acetone {2-Propanone}	500	1,185	1,000	2,375
67-68-5	Methyl sulfoxide {Dimethyl sulfoxide; DMSO}	50	150	100	320
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	50	217	No data	No data
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	1000	1800	No data	No data
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	100	434	125	543
68439-46-3	Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated)	No data	No data	No data	No data
98-82-8	Cumene {Benzene, 1-Methylethyl-Isopropylbenzene}	25	125	75	375
110-91-8	Morpholine {Diethylene imidoxide}	20	71	No data	No data
66455-14-9	Alcohols, C12-13, ethoxylated	No data	No data	No data	No data

Respiratory Equipment: For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved self-contained breathing apparatus or powered air supply respirator or loose fitting hood. For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV. A dust mask does not provide protection against vapours.

Eye Protection: Chemical goggles, or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Chemical goggles or face shields are recommended when splashing or spraying of chemical is possible. A face shield provides more protection to help reduce chemical contact to the face and eyes.

Protective Gloves: Wear gloves with as much resistance to the chemical ingredients as possible. Laminated film gloves offer the best protection. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.

Other Protective Clothing: Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use.
Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

Engineering Controls (Ventilation etc.): Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Use only with adequate ventilation to prevent build-up of vapours. If the work area is not well ventilated, DO NOT use this product. Do not use in areas where vapours can accumulate and concentrate, such as basements, bathrooms or small enclosed areas.

Whenever possible, use outdoors in an open-air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odour is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

Work/Hygienic/Maintenance

Practices: Wash hands thoroughly after use and before eating, drinking, or smoking. Do not eat, drink, or smoke in the work area.

Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Gas
Appearance	Opaque viscous liquid
Odour:	Aromatic
Melting Point:	No data.
Boiling Point:	37.7°C
Flash Point:	- 17.8°C
Explosive Limits:	LEL: No data. UEL: No data.
Vapour Density (vs. Air = 1):	No data.
Vapour Pressure (vs. Air or mm Hg):	No data.
Specific Gravity (Water = 1):	0.85 – 0.91
Density:	0.88 – 0.90 g/ml
Evaporation Rate:	< 1 (BuAC=1)
Solubility in Water:	No data.
Solubility Notes:	Appreciable
Percent Volatile:	95.34 % by weight.
VOC / Volume:	49.1200 % WT
Autoignition Pt:	No data.
Viscosity:	> 2500 cSt
Additional Physical Information	

10. STABILITY AND REACTIVITY

Stability: Stable

Materials To Avoid: Bases, oxygen, sodium, potassium, strong oxidizers, reactive metals, strong acids

Hazardous Decomposition or By-products: Carbon monoxide, carbon dioxide

Possibility of Hazardous Reactions: Will not occur

Conditions to Avoid Hazardous Reactions: Will not occur.

11. TOXICOLOGICAL INFORMATION

This product has not been tested as a whole. Refer to section 2 for acute and chronic effects.

Toxicological Information:

CAS# 67-64-1:
Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.
Result:
Behavioural: Change in motor activity (specific assay).
Behavioural: Alteration of classical conditioning.
- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 1330-20-7:
Acute toxicity, LC50, Inhalation, Rat, 5000. PPM, 4 H.
Result:
Behavioural: Muscle contraction or spasticity.
Lungs, Thorax, or Respiration: Other changes.
- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labour, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,123, 1974

Standard Draize Test, Eyes, Species: Rabbit, 5.000 MG, 24 H, Severe.
Result:
Behavioural: General anaesthetic.
Behavioural: Somnolence (general depressed activity).
Behavioural: Irritability.
- "Sbornik Vysledku Toxixologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,24, 1972

CAS# 100-41-4:
Tumorigenic Effects:, TCLo, Inhalation, Rat, 750.0 ppm.
Result:
Tumorigenic: Carcinogenic by RTECS criteria.
Kidney, Ureter, Bladder: Tumors.
Standard Draize Test, Eyes, Species: Rabbit, 500.0 MG, Severe.
Result:
Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).
Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth).
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 68439-46-3:
Acute toxicity, LD50, Oral, Rat, 1378. MG/KG.
Result:
Behavioural: Somnolence (general depressed activity). Behavioural: Ataxia.

Chronic Toxicological Effects: Gastrointestinal: Hypermotility, diarrhoea.
- Journal of the American College of Toxicology., Mary Ann Liebert, Inc., New York, NY, Vol/p/yr: 10(4),427, 1991.

Carcinogenicity/Other Information: IARC 2B - Possibly Carcinogenic to Humans

IARC 3: Not Classifiable as to Carcinogenicity in Humans
ACGIH A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans ACGIH
A4 - Not Classifiable as a Human Carcinogen.

12. ECOLOGICAL INFORMATION

General Ecological Information: This product has not been tested as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with all applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

This product is classified as a dangerous good according to: NZS 5433:2012, IMDG, and IATA.

UN Number: 1950
Proper Shipping Name: AEROSOLS
Hazard Transport Class: 2.1
Hazchem code: 2YE
EMS F-D, S-U



15. REGULATORY INFORMATION

This product is approved under the HSNO act 1996 in:
Group Standard 2017 – HSR002517 Aerosols (Flammable, Toxic [6.7])

Inventories listing: Hazard classification based on data retrieved from the New Zealand Inventory of Chemicals (NZIoC) or are exempt

16. OTHER INFORMATION

SDS Version: 1.0
SDS Effective Date: 25 March 2019 **SDS Review date** 25 March 2024

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ACGIH	Association Advancing Occupational and Environmental Health
BuAC	Butyl Acetate
CAS #	Chemical Abstracts Service Registry Number
HSNO	Hazardous Substances and New Organisms
Hazchem Code	Emergency action code that provides information to emergency services
GHS	The Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
IARC	The International Agency for Research on Cancer
mg/m³	Milligrams per cubic metre of air
LC₅₀	lethal concentration required to kill 50% of the population
NMP	N-Methyl Pyrrolidone
NIOSH	National Institute for Occupational Safety and Health
NOS	Not otherwise specified
ppm	Parts per million
R-Phrase	Risk Phrase
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
UN Number	United Nations Number
VOC	Volatile organic carbon
WES TWA	Workplace Exposure Standard – Time Weighted Average

SDS Regulation: **The content and format of this SDS is in accordance with HSNO Approved Code of Practice (No.HSNO COP 8-1 09-06): Preparation of Safety Data Sheets.**

Safety Data Sheet prepared by **Grayson Wagner Co Ltd.**
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4 Cain Road Penrose, Auckland

Disclaimer:

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