

ROSCHEM

DETERGENT MANUFACTURING

PRODUCT INFORMATION SHEET

DRIVE CLEAR

ORGANIC GROWTH REMOVER

PRODUCT INFORMATION:

Water based compound to effectively destroy bacterial spores, algae spores & other organic growths from a wide range of surfaces such as driveways, tarmacadam, patios, tennis courts, sport surfaces, timber walkways, glass houses, brickwork, tiled roofs etc.

ADVANTAGES:

POWERFUL ANTI-MICROBIAL ACTIVITY:

Drive Clear is a concentrated quaternary ammonium compound proven to be an effective organic growth treatment by eradicating the spores & algae growing on & below the surface.

SAFE ON ALL SURFACES:

Suitable for use on all external hard surfaces

EASY TO USE:

Requires no rinsing, can be used with sprayer equipment, with a watering can or through pressure washing equipment. Results can be seen within a few days of treatment.

BIODEGRADABLE:

Fully biodegradable, leaving no long-lasting environmental impact.

SOLUBILITY:

100% soluble in water.

DIRECTIONS FOR USE:

For best results use in dry weather conditions. For best results use in dry weather conditions. Dilute 1:5 with water. The diluted liquid should be sprayed or brushed onto the surface. Once fully dried, inactive organic growth can be brushed or washed from surface. Keep away from water sources. Do not spray into gullies, traps, gutters or anywhere there may be a risk of water contamination. Do not mix with other chemicals

HEALTH AND SAFETY: See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.

Size: 5Lt Drums & 20Lt Drums

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 1 of 6

Date of issue: 01.01.20

Replaces version of: Version 1

PRODUCT NAME: DRIVE CLEAR

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name DRIVE CLEAR
Product No. OIR 605

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Organic Growth Remover

1.3. Details of the supplier of the safety data sheet

Supplier Roschem Products Ltd
Windmill Road, Elphin, Co Roscommon, Ireland
Tel: +353 (0)71 9635375 Fax: +353 (0)71 9635414
Email: info@roschemproducts.com

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,
Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008: H302, H314, H400
Human health: Harmful if swallowed. Causes severe skin burns and eye damage
Environment: The product contains a substance which is very toxic to aquatic organisms.

2.2. Label elements

Detergent Labelling: Contains: ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE



Labelling

		DANGER	WARNING	WARNING
Hazard	H302	Harmful if swallowed		
Phrases	H314	Causes severe skin burns and eye damage.		
	H400	Very toxic to aquatic life		
Precautionary Statements	P405 & 102	Store locked up. Keep out of the reach of children		
	P260	Do not breathe vapours, spray mists		
	P262	Do not get in eyes, on skin or on clothing		
	P264	Wash hands thoroughly after handling		
	P280	Wear protective gloves, clothing, eye & face protection		
	P301 & 310	IF SWALLOWED: Rinse out mouth immediately with water. Immediately call a poison centre or doctor/physician.		
	P302	IF ON SKIN: Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists		
	P304	IF INHALED: Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.		
	P305 & 310	IF IN EYES: Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison centre or doctor/physician.		
	P501	Dispose of contents/container to in accordance with local regulations. Recover, reclaim or recycle, where possible.		

2.3. Other hazards N/A

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 2 of 6

Date of issue: 01.01.20

Replaces version of: Version 1

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CAS-No.: 68424-85-1 EC No.: 270-325-2	10-20%
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	

A Full Text for all Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
Skin Contact:	Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists.
Eye Contact:	Flush eyes with water immediately. Obtain medical attention if irritation persists.
Ingestion:	DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention if any discomfort continues
Protection of first aider:	Avoid ingestion, contact with skin and eyes (see Section 8.)

4.2. Most important symptoms and effects, both acute and delayed

Inhalation:	Irritating to respiratory system. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion:	Causes burns. Swallowing concentrated chemical may cause severe internal injury. May cause chemical burns in mouth, oesophagus & stomach.
Skin contact:	Corrosive to skin. Will burn skin on contact
Eye contact:	Risk of serious damage to eyes. Causes burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

4.3. Indication of any immediate medical attention and special treatment needed

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:	Water, Foam.
5.2 Unsuitable:	N/A
5.3 Specific Hazards:	The thermal decomposition products released oxides of nitrogen & carbon) should be considered toxic if inhaled.
5.4 Special Equipment for the protection of Fire Fighters:	Wear full protective clothing & breathing apparatus.

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 3 of 6

Date of issue: 01.01.20

Replaces version of: Version 1

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions: Avoid ingestion, contact with skin & eyes (see Section 8.)
- 6.2 Environmental Precautions: Do not discharge into drains, water courses. Spillages or uncontrolled discharges into watercourses must be immediately alerted to the Environmental Agency or other appropriate regulatory body
- 6.3 Methods for Cleaning up: Small Spills - Flush with water.
Large Spills - Take up with absorbent material, e.g. sand, sawdust, into tightly closed plastic containers.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

- Technical Measures: No special measures required.
- Safe Handling Advice: Avoid contact with eyes & skin. Comply with instructions for use.

7.2 Storage

- Technical Measures: No special measures required.
- Storage Conditions: Store in a cool dry place.
- Incompatible Products: Acids, Strong Oxidizing Agents.
- Packaging: Plastic Drums.
- Packaging Materials: Recommended: Plastic Materials, Polyethylene, Polypropylene.
Not Suitable - Uncoated Metal Drums.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Engineering Measures: No special measures required.
- 8.2 Personal Protection Equipment:



- Respiratory Protection: Provide adequate ventilation in areas of confined space.
- Hand Protection: Use Chemical Resistant Gloves to EN Standard 374 Level 1, Letter Code K
- Eye Protection: Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher
- Skin Protection: Wear Plastic Apron EN Standard 13034 Type PB[6] & Face Shield EN Standard 166 Level 3 or higher
- 8.3 Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.
- 8.4 Occupational Exposure Limits: N/A

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 4 of 6

Date of issue: 01.01.20

Replaces version of: Version 1

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a)	Appearance:	Pink Liquid
b)	Odour:	Slight Chemical.
c)	Odour threshold:	N/A
d)	pH:	7+/-0.5 undiluted
e)	Melting point / freezing point:	No data available
f)	Initial boiling point & boiling range:	No data available
g)	Flash point:	No data available
h)	Evaporation rate:	No data available
i)	Flammability solid, gas):	No data available
j)	Upper/lower flammability or explosive limits:	No data available
k)	Vapour pressure:	No data available
l)	Vapour density:	No data available
m)	Relative density:	0.995kg/dm ³
n)	Solubility(ies):	Soluble in Water
o)	Partition coefficient: n-octanol/water:	No data available
p)	Auto-ignition temperature:	No data available
q)	Decomposition temperature:	No data available
r)	Viscosity:	No data available
s)	Explosive properties:	No data available
t)	Oxidising properties:	No data available

SECTION 10: STABILITY AND REACTIVITY

<u>10.1. Reactivity:</u>	There are no known reactivity hazards associated with this product.
<u>10.2. Chemical stability:</u>	Stable under normal temperature conditions and recommended use.
<u>10.3. Possibility of hazardous reactions:</u>	Hazardous Polymerisation N/A
<u>10.4. Conditions to avoid:</u>	Avoid Extreme Temperatures. Avoid contact with acids &/or oxidising agents.
<u>10.5. Incompatible materials:</u>	Acids &/or oxidizing agents
<u>10.6. Hazardous decomposition products:</u>	None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Inhalation:	Irritating to respiratory system. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion:	Swallowing concentrated chemical may cause severe internal injury. May cause chemical burns in mouth, oesophagus & stomach.
Skin contact:	Corrosive to skin. Will burn skin on contact
Eye contact:	Risk of serious damage to eyes. Causes burns. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

11.2. Toxicological information on ingredients:

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CAS-No.: 68424-85-1)

Acute toxicity:

- Acute Toxicity (Oral LD50)
150 mg/kg Mouse
- Acute Toxicity (Dermal LD50)
1420 mg/kg Rat

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 5 of 6

Date of issue: 01.01.20

Replaces version of: Version 1

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity

This product is Readily Biodegradable and not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients:

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CAS-No.: 68424-85-1)

Acute Toxicity - Fish

LC50 96 hours 0.31 mg/l *Lepomis macrochirus* (Bluegill)

Miscellaneous information sources.

12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients

12.4. Mobility in soil

Mobility: The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods:

REGULATIONS	CLASS
RID/ADR:	8/III
ICAO/IATA-DGR:	8 /1760/III
GGVSee/IMDG-Code:	8/1760/III

14.1. UN number

UN 1760

14.2. UN proper shipping name

CORROSIVE LIQUID, N.O.S. (ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE)

14.3. Transport hazard class(es)

Class 8 Corrosive

14.4. Packing Group

III

14.5. Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant: N/A

14.6. Special precautions for user

NA

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N/A

Safety Data Sheet

Corresponding to Regulation (EC) No 1272/2008 (CLP)

Page 6 of 6

Date of issue: 01.01.20

Replaces version of: Version 1

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.
6 / 7

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

Revision Date: 01.01.20

Revision No: Version 1

Replaces version of: N/A

Hazard Statements In Full

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage

H400 Very toxic to aquatic life

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.



PCS 100206

EUROPEAN UNION (BIOCIDAL PRODUCTS) REGULATIONS
BIOCIDAL PRODUCT NOTIFICATION

The Department of Agriculture, Food and the Marine as the Competent Authority for Biocides in Ireland, pursuant to Regulations 9 and 10 of the European Union (Biocidal Products) Regulations 2013 (S.I. 427 of 2013), hereby declare that the Notification Holder:

ROSCHEM PRODUCTS LTD

NEW ROAD, ELPHIN, CO ROSCOMMON

has notified the biocidal product:

Drive Clear

to the Competent Authority for Biocides in order to make available on the market in Ireland.

It is the responsibility of the Notification Holder to ensure that: the product label(s) and safety data sheets are in compliance with the relevant Regulations; changes to the product must be notified to the Competent Authority for Biocides in Ireland prior to the change to the product; information on the product must be supplied to the National Poisons Information Centre of Ireland (<http://www.poisons.ie/manufacturers.asp>) before product is made available on the market.

Product Summary

Product Name: Drive Clear

PCS No: PCS 100206

Formulation Type: Suspension concentrate (flowable concentrate) [SC] **MG/PT:** MG01 / PT2

Category of Use(s): Non Professional, Professional

Active Substance(s)	CAS No.	(% w/w)
BKC (Benzylalkonium Chloride)	68424-85-1	15.00000

On behalf of the Competent Authority for Biocides in Ireland:

Date of issue: 30/11/2020

Official Stamp:

