

SAFETY DATA SHEET REGENCY

According to EC Regulation 1907/2006/EC - revision 2015/830

Revision No. 3.2

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

1.1. Product identifier

Product Name REGENCY
Product Code 11000723B1 (CLP)

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

Recommended use

Graffiti remover and cleaner.

1.3. Details of the supplier of the safety data sheet

NCH UK & Ireland, NCH House, Springvale Avenue, Bilston, WV14 0QL Tel (UK): 01902 510200, Tel (Ireland): 042 939 5502
E-mail address technical_uk@nch.com
Website address www.ncheurope.com

1.4. Emergency telephone number

UK - 01902 510200 (available during Office Hours)
In Republic of Ireland (available from 8am to 10pm daily): 01 809 2166

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Flammable liquid: Category 3
STOT- single exposure: Category 3
H226 - Flammable liquid and vapour
H336 - May cause drowsiness or dizziness

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Contains MONOPROPYLENE GLYCOL METHYL ETHER.

Hazard pictograms



Signal word Warning

Hazard Statements

H226 - Flammable liquid and vapour
H336 - May cause drowsiness or dizziness

Precautionary Statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P312 - Call a POISON CENTER or doctor if you feel unwell
P370 + P378 - In case of fire: Use CO₂, dry chemical or foam to extinguish.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P261 - Avoid breathing vapors.
For industrial and institutional use only.
Keep out of reach of children.

2.3. Other hazards

No additional hazards identified.

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Chemical Name	CAS-No.	EC No.	EU - REACH reg number	Weight-%	EU - GHS/CLP Classification	Notes
MONOPROPYLENE GLYCOL METHYL ETHER	107-98-2	203-539-1	01-2119457435-35	50 - 100	STOT SE 3 (H336)	

ISOPROPYL ALCOHOL	67-63-0	200-661-7	01-2119457558-25	1 - < 3	Flam. Liq. 3 (H226) Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)
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For any H statements mentioned in this section, see the full text in section 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Get medical attention immediately if symptoms occur.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth with water.

Inhalation

If exposed to high concentrations of the vapours / mists, move to fresh air. If symptoms persist, call a physician.

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

Sensitisation

No information available.

Eye contact

May cause irritation as itching and redness.

Skin contact

Unlikely to be irritant on brief or occasional exposure.

Inhalation

May cause headaches, dizziness, drowsiness and nausea.

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

Notes to physician

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Water spray. Foam. Carbon dioxide (CO2). Dry powder.

5.2. Special hazards arising from the substance or mixture

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

Keep product and empty container away from heat and sources of ignition.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes. Remove all sources of ignition. Ventilate the area. Refer to protective measures listed in sections 7 and 8. Due to the nature of the packaging, a large spill is unlikely. For a small spill, absorb with a damp cloth and rinse area into a sanitary sewer. Use care as spills may be slippery.

6.2. Environmental precautions

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Ventillate area. Remove all sources of ignition. For displaced liquid - Soak up with inert absorbent material. Pick up and arrange disposal without creating dust. If using a cloth to wipe up a small spillage, properly dispose of the used cloth to avoid a fire risk. For wipe - pick up and dispose to labelled container.

Methods for Cleaning up

After cleaning, flush away traces with water.

6.4. Reference to other sections

Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practise. Ensure adequate ventilation. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from open flames, hot surfaces and sources of ignition. Further information about storage conditions: .

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level. For substances.

Chemical Name	European Union	The United Kingdom	France	Germany	Austria
MONOPROPYLENE GLYCOL METHYL ETHER		STEL: 150 ppm STEL: 560 mg/m ³ TWA: 100 ppm TWA: 375 mg/m ³ Skin	TWA: 50 ppm TWA: 188 mg/m ³ STEL: 100 ppm STEL: 375 mg/m ³ Skin	AGW: 100ppm AGW: 370mg/m ³ Peak: 200ppm Peak: 740mg/m ³ TWA: 100ppm TWA: 370mg/m ³ BGW: 15mg/L	Skin STEL: 50 ppm STEL: 187 mg/m ³ TWA: 50 ppm TWA: 187 mg/m ³ Ceiling: 50 ppm Ceiling: 187 mg/m ³
ISOPROPYL ALCOHOL		STEL: 500 ppm STEL: 1250 mg/m ³ TWA: 400 ppm TWA: 999 mg/m ³	STEL: 400 ppm STEL: 980 mg/m ³	AGW: 200ppm AGW: 500mg/m ³ Peak: 400ppm Peak: 1000mg/m ³ TWA: 200ppm TWA: 500mg/m ³ BGW: 25mg/L	STEL: 800 ppm STEL: 2000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³

Chemical Name	Spain	Portugal	Italy	The Netherlands	Switzerland
MONOPROPYLENE GLYCOL METHYL ETHER	Skin STEL: 150 ppm STEL: 568 mg/m ³ TVA: 100 ppm TWA: 375 mg/m ³	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ Skin	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ Skin	Skin STEL: 563 mg/m ³ TWA: 375 mg/m ³	STEL: 200 ppm STEL: 720 mg/m ³ TWA: 100 ppm TWA: 360 mg/m ³
ISOPROPYL ALCOHOL	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 400 ppm TWA: 200 ppm			STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³

Chemical Name	Denmark	Finland	Norway	Sweden	Czech
MONOPROPYLENE GLYCOL METHYL ETHER	TWA: 50 ppm TWA: 185 mg/m ³ Skin	TWA: 100 ppm TWA: 370 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ Skin	TWA: 50 ppm TWA: 180 mg/m ³ Skin	50 ppm 190 mg/m ³ 75 ppm 300 mg/m ³	PEL: 270mg/m ³ NPK-P: 550mg/m ³
ISOPROPYL ALCOHOL	TWA: 200 ppm TWA: 490 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³	TWA: 100 ppm TWA: 245 mg/m ³	150 ppm 350 mg/m ³ 250 ppm 600 mg/m ³	PEL: 500mg/m ³ NPK-P: 1000mg/m ³

Chemical Name	Poland	Ireland
MONOPROPYLENE GLYCOL METHYL ETHER	NDSch: 360 mg/m ³ NDS: 180 mg/m ³	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³

ISOPROPYL ALCOHOL	NDSCh: 1200 mg/m ³ NDS: 900 mg/m ³	TWA: 200 ppm STEL: 400 ppm Skin
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8.2. Exposure controls

Engineering Measures

General ventilation is normally adequate.

Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 14387 (organic vapours).

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Solvent-resistant gloves (butyl-rubber). Fluorinated rubber. Polyvinyl alcohol. For break through times, refer to glove manufacturers recommendations.

Eye Protection

Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practise. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information below relates to typical values and does not constitute a specification.

Appearance	White wipe	Specific Gravity	No information available.
Physical State	liquid impregnated woven fabric	Solubility	Liquid phase is soluble in water Wipe is insoluble in water
Odour	Strong Solvent		286 °C
pH	Not applicable.	Autoignition Temperature	286 °C
Melting Point/Range	- 5	Viscosity	No information available
Boiling Point/Range	116 °C	Explosive properties	No information available
Flash Point	32 °C	Oxidizing Properties	No information available.
Method	Closed cup	VOC Content (%)	73.7 %
Evaporation Rate	No information available.		
Flammability Limits in Air %			
Upper flammability limit:	13.8		
Lower	1.6		
Vapor Pressure	No information available.		
Vapor Density	No information available.		

9.2. Other information

No other information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Not considered as highly reactive. See further information below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.

10.4. Conditions to avoid

Heat, flames, and sparks. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

No materials to be specially mentioned.

10.6. Hazardous decomposition products

None under normal storage conditions and use.

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

The product itself has not been tested.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
MONOPROPYLENE GLYCOL METHYL ETHER	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 6 mg/L (Rat) 4 h
ISOPROPYL ALCOHOL	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m ³ (Rat) 4 h

Sensitisation

No information available.

Skin contact

Unlikely to be irritant on brief or occasional exposure.

Inhalation

May cause headaches, dizziness, drowsiness and nausea.

Eye contact

May cause irritation as itching and redness.

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known substances in this product with effects on reproduction.

SECTION 12. ECOLOGICAL INFORMATION**12.1. Toxicity**Product Information

The product itself has not been tested.

Ecotoxicity effects

Contains substance(s) known to be hazardous to the aquatic environment.

Chemical Name	Toxicity to Fish	Water Flea	Toxicity to Algae
MONOPROPYLENE GLYCOL METHYL ETHER	LC50 = 20.8 g/L Pimephales promelas 96 h	23300: 48 h Daphnia magna mg/L EC50	
ISOPROPYL ALCOHOL	LC50 = 11130 mg/L Pimephales promelas 96 h LC50 = 9640 mg/L Pimephales promelas 96 h LC50 > 1400000 µg/L Lepomis macrochirus 96 h	= 13299 mg/L 48 h	EC50 > 1000 mg/L Desmodesmus subspicatus 72 h EC50 > 1000 mg/L Desmodesmus subspicatus 96 h

12.2. Persistence and degradability

Ecotoxicological properties are substance specific, i.e. bioaccumulation, persistence and degradability. The information is given, where available and appropriate, for substance(s) of the mixture.

12.3. Bioaccumulative potential

Not likely to bioaccumulate. Component information below.

Chemical Name	log Pow
MONOPROPYLENE GLYCOL METHYL ETHER	-0.437
ISOPROPYL ALCOHOL	0.05

12.4. Mobility in soil

Liquid -. Soluble in water. This preparation is volatile and will readily evaporate to the air if released into the environment. Wipe -. The product is insoluble and floats on water.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

12.6. Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal. Recycle according to official regulations.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:

15 02 02* Absorbents, filter materials, wiping cloths, protective clothing contaminated by dangerous substances

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

SECTION 14. TRANSPORT INFORMATION**14.1, 14.2, 14.3, 14.4.**

IMDG/IMO

UN Number	UN3175
UN proper shipping name	Solids containing flammable liquid, n.o.s.
Hazard Class	4.1
Packing Group	II
EmS	F-A, S-I

ADR / RID

UN-No	UN3175
Hazard Class	4.1
Packing Group	II
Classification Code	F1
Limited Quantity	1 kg
Transport Cat. (Tunnel Restriction Code)	2 (E)

IATA/ICAO

UN-No	UN3175
Hazard Class	4.1
Packing Group	II
ERG Code	3L

14.5. Environmental hazards

The mixture is not environmentally hazardous for transport

14.6. Special precautions for user

No special precautions.

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

Packaged product, not typically transported in IBC's.

Additional information

The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture by the supplier

SECTION 16. OTHER INFORMATION**Text of H statements mentioned in Section 3**

H225 - Highly flammable liquid and vapour. H226 - Flammable liquid and vapour. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

On the basis of test data. H226 - Flammable liquid and vapour. Calculation method. H336 - May cause drowsiness or dizziness.

Prepared By Austen Pimm

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Revision summary

CLP update. SDS sections updated 2 15 3 16

Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals

EU: European Union

EC: European community

EEC: European Economic Community

UN: United Nations

CAS: Chemical Abstracts Service

PBT: Persistent Bioaccumulative Toxic

vPvB: very Persistent very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

LogPow: LogP octanol/water

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)

WGK: Wassergefährdungskategorie (Water Hazard Class - Germany).

AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International carriage of Dangerous goods by rail)

EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods

ERG: Emergency Response Guidebook

IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances

GHS: Globally Harmonised System of classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Chemical

w/w: weight for weight

DMSO: Dimethyl sulphoxide

OECD: Organization for Economic Cooperation and Development

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature sources e.g. IUCLID / RTECS

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet