

Product Citrus Degreaser
 Revision date 22 June 2017
 Revision 1



Safety Data Sheet (SDS)

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product name Citrus Degreaser
Product no. INDCITDEG
Synonyms, Trade names No information available.

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

Identified uses Cleaning agent.
Uses advised against Any other purpose.

1.3 Details of the supplier of the safety data sheet

Supplier Kitchenmaster NI Ltd
 11 Comber Road
 Belfast
 BT8 8AN
 United Kingdom
 Tel: 028 9081477 02890812881
 sales@kitchenmaster-ni.com

Contact person

1.4 Emergency telephone number

Emergency telephone Emergency Telephone Number: 028 9081 4777 08:30 - 17:00 Monday to Thursday 08:30 - 16:30 Friday

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Not classified
 Human health Eye Dam. 1 - H318, Skin. Sens 1 - H317
 Environment Aquatic Chronic 3 - H412

2.2 Label elements

Contains Alcohols, C12-14 (Even numbered), ethoxylated
 Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)
 (R)-p-mentha-1,8-diene d-limonene
 Amines, C12-16-alkyldimethyl, N-oxides

Detergent labeling <5% aliphatic hydrocarbons
 <5% anionic surfactants

Label in accordance with (EC) no. 1272/2008



Signal word Danger

Hazard statements H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements**Prevention**

P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and 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.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P363 Wash contaminated clothing before reuse.

EUH statements

EUH208 Contains (R)-p-mentha-1,8-diene d-limonene. May produce an allergic reaction.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients**3.1 Substance**

Not applicable.

3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
Alcohols, C12-14 (Even numbered), ethoxylated	CAS-No.: EC No.:	Acute Tox 4 - H302, Eye Dam. 1 - H318, Aquatic Chronic 3 - H412	1-10%
Amides, C8-18 (even numbered) and C18-unsatd., N,N-bis(hydroxyethyl)	CAS-No.: 68155-07-7 EC No.: 931-329-6 REACH Reg No.: 01-2119490100-53-0000	Aquatic Chronic 2 - H411, Skin Irrit.2 - H315, Eye Dam. 1 - H318	1-10%
(R)-p-mentha-1,8-diene d-limonene	CAS-No.: 5989-27-5 EC No.: 227-813-5	Flam. Liq 3- H226, Skin Irrit.2 - H315, Skin. Sens 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	1-10%
propan-2-ol isopropyl alcohol isopropanol	CAS-No.: 67-63-0 EC No.: 200-661-7	Flam. Liq 2- H225, Eye Irrit.2A - H319, STOT SE 3 - H336	1-10%
Amines, C12-16-alkyldimethyl, N-oxides	CAS-No.: 85408-49-7 EC No.: 287-011-6	Skin Irrit.2 - H315, Eye Dam. 1 - H318, Aquatic Acute 1 - H400	1-10%
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	CAS-No.: 68439-57-6 EC No.: 931-534-0 REACH Reg No.: 01-2119513401-57-0000	Skin Irrit.2 - H315, Eye Dam. 1 - H318	0-1%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures**4.1 Description of first aid measures****General information**

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. If breathing is difficult, provide oxygen. If not breathing, give artificial respiration and get medical attention.

Ingestion

If vomiting occurs, keep head low so that stomach content doesn't enter the lungs. Get medical attention if discomfort occurs. Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth out and then drink plenty of water.

Skin contact

Remove affected person from source of contamination. Wash skin with soap and water for several minutes. Remove contaminated clothing and shoes and wash before reuse. Continue to rinse for at least 15 minutes.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Remove contact lenses if present and easy to do so. Get prompt medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Mist is irritating to the respiratory tract. Effect may vary from irritation of the nasal mucous membrane to lung irritation.
Ingestion	May cause discomfort if swallowed. Will cause irritation of and damage to the gastrointestinal tract.
Skin contact	Prolonged contact with skin may cause irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage. May cause damage with formation of corneal ulcers and permanent impairment of vision.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician	Treat symptomatically.
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Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Foam, powder, CO2.
Unsuitable extinguishing media	No unsuitable extinguishing media identified.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	When heated, vapours/gases hazardous to health may be formed.
Unusual fire & explosion hazards	No unusual fire or explosion hazards noted.
Specific hazards	No specific hazards are identified for the product. In the event of damage to packaging, floors may become slippery, avoid falls. Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special fire fighting procedures	Ventilate closed spaces before entering them. If possible, fight fire from protected position. Keep up-wind to avoid fumes. Water spray should be used to cool containers. Keep run-off water out of sewers and water sources. Dike for water control.
Protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Read and follow manufacturer's recommendations. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Wash hands after contact. Do not touch or walk through spilled material. If necessary evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Wear protective clothing as described in Section 8 of this safety data sheet.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

6.2 Environmental precautions

Environmental precautions	Do not discharge onto the ground or into water courses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
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6.3 Methods and material for containment and cleaning up

Spill clean up methods	Ventilate area. Restrict non-essential personnel from the area. In case of spills, beware of slippery floors and surfaces. Small spills may be absorbed with paper towels. In case of a large scale of spill, dyke area with sand to stop the spill spreading. Cover drains. Absorb spillage with non-combustible, absorbent material - sand. Flush with plenty of water to clean spillage area. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.
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6.4 Reference to other sections

Reference to other sections See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage**7.1 Precautions for safe handling**

Handling Read and follow manufacturer's recommendations. Do not mix with other chemicals. Avoid forming spray/aerosol mists. Provide good ventilation. Wash thoroughly after handling. Do not use contact lenses. Do not eat, drink or smoke when using the product. Use personal protective equipment, see Section 8. Avoid inhalation of vapours and contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Keep upright, locked up and out of reach of children. Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage class Corrosive storage.

7.3 Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection**8.1 Control parameters**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
propan-2-ol isopropyl alcohol isopropanol	OEL	200 ppm		400 ppm		
propan-2-ol isopropyl alcohol isopropanol	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	

Ingredient comments OEL - Occupational Exposure Limit - Ireland, Occupational Exposure Limits 2016.
WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits.

8.2 Exposure Controls**Protective equipment****Engineering measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Use respiratory protection as specified by an industrial hygienist or other qualified professional. Use respiratory protective components with combined A/P filter(s) for organic vapours/particulates. Consult manufacturer for specific advice. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Hand protection

Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. Gloves must be inspected prior to use. Suggested material: PVC. Neoprene. Natural rubber. Consult manufacturer for advice. Use proper glove removal technique (without touching glove's outer surface) to avoid skin

Eye protection	contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Other protection	Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU). Tightly fitting safety goggles or face-shield.
Hygiene measures	Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. The selected clothing must satisfy the European norm standard EN 943.
Process conditions	Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety practice. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed. Contaminated work clothing should not be allowed out of the workplace. Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear. Yellow.
Odour	Citrus.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	11.00
pH-Value, Diluted solution	No information available.
Melting point	No information available.
Initial boiling point and boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability state	No information available.
Flammability limit - lower(%)	No information available.
Flammability limit - upper(%)	No information available.
Vapour pressure	No information available.
Vapour density (air=1)	No information available.
Relative density	0.992g/cm ³ @ 20.00 °C
Bulk density	No information available.
Solubility	Soluble in water.
Decomposition temperature	No information available.
Partition coefficient; n-Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	No information available.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available.

9.2 Other information

Molecular weight	No information available.
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Volatile organic compound	No information available.
Other information	None noted.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	No specific reactivity hazards associated with this product.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	May decompose catalytically if in contact with acids and chlorinated hydrocarbons.
Hazardous polymerisation	Not relevant.
Polymerisation description	Not applicable.

10.4 Conditions to Avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5 Incompatible materials

Materials to avoid	Do not mix with other chemicals unless listed on directions. Avoid contact with acids. Ammonia solution. Chlorinated hydrocarbons.
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10.6 Hazardous decomposition products

Hazardous decomposition products	If heated, harmful vapours may be formed. The thermal decomposition may release/form: Carbon monoxide (CO), carbon dioxide (CO ₂).
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	No toxicological information for the overall finished product.
Acute toxicity (Oral LD50)	No information available.
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	Causes severe eye damage.
Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
Inhalation	Mist is irritating to the respiratory tract. Effect may vary from irritation of the nasal mucous membrane to lung irritation.
Ingestion	May cause discomfort if swallowed. Will cause irritation of and damage to the gastrointestinal tract.
Skin contact	Prolonged contact with skin may cause irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage. May cause damage with formation of corneal ulcers and permanent impairment of vision.

Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.
Target organs	Eyes, skin, digestive system, respiratory system.
Aspiration hazards:	No information available.
Reproductive toxicity:	No information available.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available.
Acute toxicity - Aquatic invertebrates	No information available.
Acute toxicity - Aquatic plants	No information available.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	Harmful to aquatic life with long lasting effects.
Eco toxicological information	No ecological toxicity available on the overall finished product.

12.2 Persistence and degradability

Degradability	Highly soluble in water and has a low vapour pressure. It will be found predominantly in the aquatic environment. It degrades readily by reaction with the natural carbon dioxide in the air.
Biological oxygen demand	No information available.
Chemical oxygen demand	No information available.

12.3 Bioaccumulative potential

Bioaccumulative potential	Does not bioaccumulate.
Bioaccumulation factor	No information available.
Partition coefficient; n-Octanol/Water	No information available.

12.4 Mobility in soil

Mobility	Soluble in water. Becomes increasingly more mobile in soil with dilution.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	None of the raw materials listed are classified as PBT / vPvB substances.
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12.6 Other adverse effects

Other adverse effects	None known.
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Section 13: Disposal considerations

Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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13.1 Waste treatment methods

Disposal methods	Dispose of waste and residues in accordance with local authority requirements.
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Section 14: Transport information**14.1 UN number**

UN no. (ADR)	Not applicable.
UN no. (IMDG)	Not applicable.
UN no. (IATA)	Not applicable.

14.2 UN proper shipping name

ADR proper shipping name	Not applicable.
IMDG proper shipping name	Not applicable.
IATA proper shipping name	Not applicable.

14.3 Transport hazard class(es)

ADR class	Not applicable.
IMDG class	Not applicable.
IATA class	Not applicable.

Transport labels	Not applicable
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14.4 Packing group

ADR/RID/ADN packing group	Not applicable.
IMDG packing group	Not applicable.
IATA packing group	Not applicable.

14.5 Environmental hazards

ADR	No
IMDG	No
IATA	No

14.6 Special precautions for user

EMS	Not applicable.
Emergency action code	Not applicable.
Hazard no. (ADR)	Not applicable.
Tunnel restriction code	Not applicable.

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

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. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
Approved code of practice	2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005). Workplace Exposure Limits Guidance Note EH40/2005.
Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	22 June 2017
Revision	1
Safety data sheet status	Approved.

Hazard statements in full

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
H315	Causes skin irritation.
H411	Toxic to aquatic life with long lasting effects.
H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH208	Contains (R)-p-mentha-1,8-diene d-limonene. May produce an allergic reaction.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.