



HUGH CRANE

— Cleaning Equipment Limited —

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DUO-P Page 1 of 8
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SAFETY DATA SHEET

DUO-P CARPET CLEANING POWDER

1. IDENTIFICATION OF THE PREPARATION & COMPANY.

Product Identifier: DUO-P
Supplier: Hugh Crane (Cleaning Equipment) Limited
South Walsham Road, Acle
Norwich NR13 3ES
Tel 01493 750072 Fax 01493 751845

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses: Carpet Cleaner.
Uses Advised Against: No information available at present.

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification according Regulation (EC) 1272/2008 (CLP)

Hazard Class: Eye Irrit.
Hazard Category: 2
Hazard Statement: H319 Causes serious eye irritation.

Classification According to Directives 67/548/EEC and 1999/45/EC (Including Amendments)

The mixture is not classified as dangerous in the terms of the directive 14999/45/EC

Label Elements

Labelling According To Regulation (EC) 1272/2008 (CLP)

Warning



Hazard Statement: H319 Causes Eye Irritation
Prevention: P280 Wear Eye Protection
Response: P337+P313 If Eye irritation persists get medical advice/attention.
EUH208 Contains (R)-p-mentha-1,diene. May produce an allergic reaction.
Other Hazards: The mixture does not contain any vPvB (very Persistent, very Bioaccumulative) substance, or is not included under XIII of the regulation EC 1907/2006.
The mixture does not contain any PBT (Persistent, Bioaccumulative, Toxic) substance, or is not included under XIII of the regulation EC 1907/2006.
Perfumes: Limonene, Citral.

3. COMPOSITION / INFORMATION ON INGREDIENTS

General Description: Base material coated with surfactant-enriched acrylate dispersion.

Substance: N/A

Mixture:

Ingredient	CAS No	EINECS	Index	REACH	Content	Classification 67/548/EEC	Classification EC 1272/2008
Propan-2-ol	67-63-0	200-661-7	603-117-00-0	-	10-20%	Highly Flammable F R11 Irritant Xi R36 R67	Flam Liq 2 H225 Eye Irrit 2 H319 STOT SE 3 H336

For the text of the R-phrases, H-phrases & classification codes, (GHS/CLP), see section 16.

4. FIRST AID MEASURES

Description of First Aid Measures.

Inhalation: Supply person with fresh air and consult doctor according to symptoms.
Skin Contact: Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.
Eye Contact: Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Ingestion: Rinse the mouth thoroughly with water. Give copious water to drink – consult doctor immediately.



Most important symptoms and effects, both acute and delayed

If applicable, delayed symptoms and effects can be found in section 11 and the absorption route in section 4. In certain cases, the symptoms of poisoning may only appear after an extended period/after several hours. The following may occur: Irritation of the eyes; Vapours may cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed

N.C.

5. FIRE FIGHTING MEASURES.

Extinguishing Media

Suitable extinguishing media: Cool container at risk with water. Water jet spray/foam/ CO₂/dry extinguisher.

Unsuitable extinguishing media: N.C.

Special hazards arising from the substance or mixture: In case of fire, the following can develop: Oxides of carbon. Oxides of nitrogen. Toxic gases.

Advice for Fire Fighters: In case of fire and/or explosion do not breathe fumes. According to size of fire – protective respirator with independent air supply. Full protection if necessary. Dispose of contaminated extinction water according to official regulations.

6. ACCIDENTAL RELEASE MEASURES.

Personal precautions, protective equipment & emergency procedures: Ensure sufficient supply of air. Remove possible causes of ignition – Do not smoke. Avoid contact with eyes or skin.

Environmental precautions: If leakage occurs, dam up. Resolve leaks if this is possible without risk. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.

Methods and material for containment and cleaning up: Pick up mechanically and dispose of according to section 13 of this SDS.

Reference to Other Sections: For Personal Protective Equipment see Section 8. For disposal instructions see Section 13.

7. HANDLING AND STORAGE.

In addition to information given in this section, relevant information can also be found in sections 6 and 8.

Precautions for Safe Handling

General Recommendations: Ensure good ventilation. Avoid contact with eyes. Avoid long lasting or intensive contact with skin. Eating, drinking, smoking as well as food-storage is prohibited in the workroom. Observe directions on the label and instructions for use.

Notes on General Hygiene At The Workplace: General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at the end of work. Keep away from food, drink and animal feeding stuffs. Remove contaminated clothing and equipment before entering areas in which food is consumed.

Conditions for Safe Storage, Including Any Incompatibilities.

Storage Conditions: Not to be stored in gangways or stairwells. Store product closed and only in original packaging. Store in a dry place.

Specific End Uses: No information available at present.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Control Parameters

Chemical Name	Content %	WEL – TWA	WEL – STEL	BMGV	Other
Propan-2-ol	10 - <20	400 ppm 999 mg/m ³	500 ppm 1250 mg/m ³	-	-
General Dust Limit		10 mg/m ³ (inhal. dust) 4 mg/m ³ (respir. dust)			

WEL-TWA Workplace Exposure Limit – Long Term Exposure Limit (8 hour TWA [=Time Weighted Average] reference period EH40.

BMGV Biological Monitoring Guidance Value EH40.

Propan-2-ol

Area of application	Exposure Route / Environmental Compartment	Effect on Health	Descriptor	Value	Unit	Note
Workers/employees	Human – dermal	Long Term	DNEL	888	mg/kg	(1 d)
Workers/employees	Human – inhalation	Long Term	DNEL	500	mg/m ³	
Consumer	Human – dermal	Long Term	DNEL	319	mg/kg	(1 d)
Consumer	Human – Inhalation	Long Term	DNEL	89	mg/m ³	



Area of application	Exposure Route / Environmental Compartment	Effect on Health	Descriptor	Value	Unit	Note
Consumer	Human – Oral	Long Term	DNEL	26	mg/kg	(1 d)
	Environment – Fresh Water		PNEC	140.9	mg/l	
	Environment – Sediment, Fresh Water		PNEC	552	mg/kg	
	Environment – Sediment, Marine		PNEC	552	mg/kg	
	Environment – Soil		PNEC	28	mg/kg	

Exposure Controls

Appropriate Engineering Controls: Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

Individual Protection Measures, Such As Personal Protective Equipment

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at the end of work. Keep away from food, drink and animal feeding stuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/Face Protection:

Tight fitting protective goggles with side protection (EN166).

Skin Protection - Hand:

Chemical resistant protective gloves (EN374). If applicable Protective Neoprene® / Polychloroprene Gloves (EN374). Protective Nitrile gloves (EN374). Minimum layer thickness in mm: 0.5. Permeation time (penetration time) in minutes: ≥ 480 . Protective hand cream recommended.

Skin Protection – Other:

Protective working garments (eg Safety Shoes EN ISO 20345, long sleeved protective working garments).

Respiratory Protection:

If OES or MEL is exceeded: Filter A P2 (EN 14387), Code colour – brown, white. Observe wearing-time limitations for respiratory protection equipment.

Thermal Hazards:

Not applicable.

Additional Information on

Hand Protection:

No tests have been performed. In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications:

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer, and must be observed.

Environmental Exposure Controls: No information available at present.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties.

Physical State:	Solid powder
Colour:	Yellow
Odour:	Perfumed
Odour Threshold:	Not determined.
pH value:	Not determined.
Melting/Freezing Point:	Not determined.
Initial Boiling Point/Boiling Range:	Not determined.
Flash Point (°C):	N/A
Evaporation Rate:	Not determined.
Flammability (solid/gas):	Not determined.
Lower Explosive Limit:	Not determined.
Upper Explosive Limit:	Not determined.
Vapour Pressure:	Not determined.
Vapour Density (Air=1):	Not determined.
Density:	Not determined.
Bulk Density:	192 kg/m ³ (ISO 697)
Solubility/ies:	Not determined.
Water Solubility:	Insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Auto-ignition Temperature:	Not determined.
Decomposition Temperature:	Not determined.
Viscosity:	N/A.
Explosive Properties:	Product is not explosive.



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DUO-P Page 4 of 8
Issue Date 26/03/2014
Print Date 24/03/2016

Oxidising Properties: No

Other Information

Miscibility: Not determined.

Fat Solubility/Solvent: Not determined.

Conductivity: Not determined.

Surface Tension: Not determined.

Solvents Content: Not determined.

10. STABILITY AND REACTIVITY

Reactivity: The product has not been tested.

Chemical Stability: Stable with proper storage and handling.

Possibility of Hazardous Reactions: No dangerous reactions are known.

Conditions to Avoid: (See Section 7) Strong heat. Protect from humidity

Incompatible Materials: (See Section 7) None known.

Hazardous decomposition Prods: (See Section 5) No decomposition when used as directed.

11. TOXICOLOGICAL INFORMATION

Possibly more information on health effects, see section 2.

SEBO DUO-P						
Toxicity/Effect	Endpoint	Value	Unit	Organism	Test Method	Notes
Acute Toxicity By Oral Route						n.d.a.
Acute Toxicity By Dermal Route						n.d.a.
Acute Toxicity By Inhalation						n.d.a.
Skin Corrosion / Irritation						n.d.a.
Serious Eye Damage/Irritation						n.d.a.
Respiratory/skin Sensitisation						n.d.a.
Germ Cell Mutagenicity						n.d.a.
Carcinogenicity						n.d.a.
Reproductive Toxicity						n.d.a.
Specific Target Organ Toxicity, Single Exposure (STOT-SE)						n.d.a.
Specific Target Organ Toxicity, Repeated Exposure (STOT-RE)						n.d.a.
Aspiration Hazard						n.d.a.
Respiratory Tract Irritation						n.d.a.
Repeated Dose Toxicity						n.d.a.
Symptoms						n.d.a.
Other Information						Classification according to calculation procedure

PROPAN-2-OL						
Toxicity/Effect	Endpoint	Value	Unit	Organism	Test Method	Notes
Acute Toxicity By Oral Route	LD50	4570	Mg/kg	Rat		
Acute Toxicity By Dermal Route	LD50	12800	Mg/kg	Rabbit		
Acute Toxicity By Inhalation	LC50	30	Mg/l/4h	Rat		
Skin Corrosion / Irritation				Rabbit		Not irritant
Serious Eye Damage/Irritation				Rabbit		Eye Irrit 2
Respiratory/skin Sensitisation				Guinea Pig	OECD 406 (Skin Sensitisation)	Not sensitising
Germ Cell Mutagenicity				Salmonella Typhimurium	(Ames Test)	Negative
Carcinogenicity						Negative
Reproductive Toxicity						Negative
Specific Target Organ Toxicity, Single Exposure (STOT-SE)						Destination Organ(s): Liver
Symptoms						Breathing difficulties, unconsciousness, vomiting, headaches, fatigue, dizziness.

12. ECOLOGICAL INFORMATION

Possibly more information on environmental effects, see section 2.



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DUO-P Page 5 of 8
Issue Date 26/03/2014
Print Date 24/03/2016

SEBO DUO-P							
Toxicity/Effect	End point	Time	Value	Unit	Organism	Test Method	Notes
Toxicity To Fish							n.d.a.
Toxicity to Daphnia							n.d.a.
Toxicity to Algae							n.d.a.
Persistence & Degradability							The surfactants(s) contained in this mixture 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.
Bioaccumulative Potential							n.d.a.
Mobility in Soil							n.d.a.
Results of PBT & vPvB Assessment							n.d.a.
Other Adverse Effects							n.d.a.

PROPAN-2-OL							
Toxicity/Effect	Endpoint	Time	Value	Unit	Organism	Test Method	Notes
Toxicity To Fish	LC50	96h	9640	Mg/l	Pimephales Promelas		
Toxicity to Daphnia	EC50	48h	13299	Mg/l	Daphnia Magna		References
Toxicity to Algae	EC50	72h	>1000	Mg/l	Desmodesmus subspicatus		
Persistence & Degradability		21d	95	%		OECD 3012E - (ready biodegradability – modified OECD Screening test)	
Bioaccumulative Potential	Log Pow		0.05			OECD 107 (Partition Coefficient [n-octanol/water] – shake/flask method)	
Mobility in Soil	KOC		1.1				Expert judgement
Results of PBT & vPvB Assessment							No PBT or vPvB substance
Toxicity to bacteria	EC10	18h	5175	Mg/l	Pseudomonas putida	DIN 38412 T.8	
Toxicity to bacteria	EC50		>1000	Mg/l	Activated sludge		
Other Information	COD		96	%			References
Other Information	ThOD		2.4	g/g			
Other Information	BOD5		53	%			
Water Solubility							Soluble

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods For The Substance/Mixture/Residual Amounts

EC Disposal Waste Code No: The waste codes are recommendations based on the scheduled use of this product.

Owing to the users specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC).

07 06 99

Wastes not otherwise specified.

20 01 29

Detergents containing dangerous substances.

Recommendation:

Pay attention to local and national official regulations.

Eg. Suitable incineration plant.

Eg. Dispose at suitable refuse site.

For Contaminated Packing Material

Pay attention to local and national official regulations.

Recommendation:

Dispose using dual system

15 01 01

Paper and cardboard



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DUO-P Page 6 of 8
Issue Date 26/03/2014
Print Date 24/03/2016

15 01 02 Plastic packaging.

14. TRANSPORT INFORMATION

General Statements

UN No.: N/A

Transport by Road/Rail (ADR/RID)

UN Proper Shipping Name:

Transport Hazard Classes: N/A

Packing Group: N/A

Classification Code: N/A

LQ (ADR 2013): N/A

LQ (ADR 2009): N/A

Environmental Hazards: Not applicable.

Tunnel Restriction Code:

Transport by Sea (IMDG)

UN Proper Shipping Name:

Transport Hazard Classes: N/A

Packing Group: N/A

Marine Pollutant: N/A

Environmental Hazards: Not applicable.

Transport by Air (IATA)

UN Proper Shipping Name:

Transport Hazard Classes: N/A

Packing Group: N/A

Environmental Hazards: Not applicable.

Special Precautions For User: Unless specified otherwise, general measures for safe transport must be followed.

Transport in Bulk According to Annex II for MARPOL 73/78 & The IBC Code: Non-dangerous material according to Transport Regulations.

15. REGULATORY INFORMATION

Safety, Health & Environmental Regulations/Legislation Specific For The Substance/Mixture

For classification and labelling see Section 2.

Observe Restrictions: N/A

Chemical Safety Assessment: A chemical safety assessment is not provided for mixtures.

16. OTHER INFORMATION

These details refer to the product as it is delivered.

Classification and Processes Used To Derive the Classification Of The Mixture In Accordance With the Ordinance (EC 1272/2008 (CLP))

Classification In Accordance With Regulation (EC) 1272/2008 (CLP)	Evaluation Method Used
Eye Irritation 2, H319	Classification According To Calculation Procedure

The following phrases represent the posted R-phrases / H-phrases, Hazard Class and Risk Category Code (GHS/CLP) of the Product and The Constituents (Specified in Sections 2 and 3.)

R11	Highly flammable
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness
Eye Irrit	Eye Irritation
Flam Liq	Flammable Liquid
STOT SE	Specific Target Organ Toxicity – Single Exposure – Narcotic effects.



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DUO-P Page 7 of 8
Issue Date 26/03/2014
Print Date 24/03/2016

Abbreviations & Acronyms Used In This Document:

AC	Article Categories
Acc	According, According to
ACGIH	American Conference of Government Industrial Hygienists.
ADR	Accord Européen relative au transport international des marchandises Dangereuses par Route (European Agreement concerning the international carriage of dangerous goods by road)
AOEL	Acceptable Operator Exposure Level
AOX	Adsorbable Organic Halogen Compounds.
Approx	Approximately
Art/Art No	Article, Article No.
ATE	Acute Toxicity Estimate according to regulation (EC) 1272/2008 (CLP)
BCF	Bioconcentration Factor
BHT	Butylhydroxytoluol (=2,6-Di-t-butyl-4-methyl-phenol)
BMGV	Biological Monitoring Guidance Value (EH40 UK)
BOD	Biochemical Oxygen Demand.
BSEF	Bromine Science & Environmental Forum.
bw	body weight
CAS	Chemical Abstracts Service
CEC	Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids.
CIPAC	Collaborative International Pesticides Analytical Council.
CLP	Classification, Labelling & Packaging (Regulation [EC] 1272/2008 on Classification, Labelling and Packaging of Substances & Mixtures).
CMR	Carcinogenic, Mutagenic, Reproductive toxic.
COD	Chemical Oxygen Demand
CTFA	Cosmetic, Toiletry & Fragrance Association.
DMEL	Derived Minimum Effect Level.
DNEL	Derived No Effect Level.
DOC	Dissolved Organic Carbon
DT50	Dwell Time – 50% Reduction of Start Concentration.
dw	dry weight.
eg	For example
EC	European Community
ECHA	European Chemicals Agency
EEA	European Economic Area
EEC	European Economic Community.
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances.
EN	European Norms
EPA	United States Environmental Protection Agency (United States of America).
ERC	Environmental Release Categories.
ES	Exposure Scenario
etc	et cetera
EU	European Union
EWG	European Waste Catalogue
Fax	Fax number
gen	General
GHS	Globally Harmonised System of Classification & Labelling of Chemicals.
GWP	Global Warming Potential.
HET-CAM	Hens Egg test - Chorionallantoic Membrane
HGWP	Halocarbon Global Warming Potential
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association.
IBC	Intermediate Bulk Container
IBC Code	International Bulk Chemical Code
IC	Inhibitory Concentration
IMDG	International Maritime Code for Dangerous Goods
incl	Including, inclusive.
IUCLID	International Uniform Chemical Information Database
LC	Lethal Concentration
LC50	Lethal Concentration, 50% Kill



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DUO-P Page 8 of 8
Issue Date 26/03/2014
Print Date 24/03/2016

LCLO	Lowest Published Lethal Concentration
LD	Lethal Dose of a chemical
LD50	Lethal Dose, 50% Kill
LDLO	Lethal Dose, Low
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
LQ	Limited Quantities
MARPOL	International Convention for the Prevention of Marine Pollution from Ships.
N/A	Not applicable
N.av	Not available
NC	Not checked
NDA	No Data Available
NIOSH	National Institute of Occupational Safety & Health (USA)
NOAEC	No Observed Adverse Effective Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
ODP	Ozone Depletion Potential
OECD	Organisation for Economic Co-operation & Development.
org	Organic
PAH	Polycyclic Aromatic Hydrocarbon
PBT	Persistent, Bioaccumulative and Toxic
PC	Chemical Product Category
PE	Polyethylene
PNEC	Predicted No Effect Concentration
POCP	Photochemical Ozone Creation Potential
ppm	Parts per million
PROC	Process Category
PTFE	Polytetrafluoroethylene
REACH	Registration, Evaluation, Authorisation & Restriction of Chemicals (Regulation EC No 1907/2006 concerning the Registration, Evaluation, Authorisation & Restriction of Chemicals).
REACH-IT LIST NO	9XX-XXX-X No is automatically assigned, eg to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID	Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods By Rail.)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure Activity Relationship
SU	Sector of Use
SVHC	Substances of Very High Concern.
Tel	Telephone
ThOD	Theoretical Oxygen Demand
TOC	Total Organic Carbon
UN RTDG	United Nations Recommendation on the Transport of Dangerous Goods.
VOC	Volatile Organic Compounds
vPvB	Very Persistent & Very Bioaccumulative.
WEL-TWA	Workplace Exposure Limit – , Long term exposure limit (8 hr Time Weighted Average) reference period.
WEL-STEL	Workplace Exposure Limit – Short Term Exposure Limit (15min reference period). EH40 UK
WHO	World Health Organisation
wwt	Wet Weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics but are based upon our present, up-to-date knowledge. No responsibility.

End of Safety Data Sheet.