



SAFETY DATA SHEET KUMZOF CLEANER

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

1.1. Product identifier

Product name KUMZOF CLEANER

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

Identified uses Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier Caswell Adhesives Limited
6 Princewood Road
Earlstrees Ind.Estate
Corby
Northants
NN17 4AP
01536 464800
01536 464801

1.4. Emergency telephone number

IN CASE OF EMERGENCY TELEPHONE 01536 464800.OFFICE HOURS MON - THURS 9AM - 5 PM FRI 9AM - 3 PM

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xn;R48/20, R65. Repr. Cat. 3;R63. Xi;R38. F;R11. R67.

Human health

Contains a substance/a group of substances which may cause harm to the unborn child. The product contains a substance/a chemical group which is suspected of having harmful long-term effects.

Physical and Chemical Hazards

Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

Contains TOLUENE

Labelling



Harmful



Highly flammable

Risk Phrases

R11	Highly flammable
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

Safety Phrases

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S24	Avoid contact with skin.
S36/37	Wear suitable protective clothing and gloves.
S51	Use only in well-ventilated areas.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

KUMZOF CLEANER

2.3. Other hazards**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

TOLUENE		60-100%
CAS-No.: 108-88-3	EC No.: 203-625-9	Registration Number: 01-2119471310-51
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC) F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67	
BUTANONE		<1%
CAS-No.: 78-93-3	EC No.: 201-159-0	Registration Number: 01-2119457290-43
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures**

Inhalation

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

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

General information

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

Inhalation.

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

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

KUMZOF CLEANER

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Use air-supplied respirator during fire fighting.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.

7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANONE	WEL	200 ppm(Sk)	600 mg/m3(Sk)	300 ppm(Sk)	899 mg/m3(Sk)	
TOLUENE		50	191	100	384	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

KUMZOF CLEANER**TOLUENE (CAS: 108-88-3)**

DNEL				
Consumer	Oral	Long Term	Systemic Effects	8.13 mg/m3
Industry	Dermal	Long Term	Systemic Effects	384 mg/kg/day
Consumer	Inhalation.	Short Term	Local Effects	226 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	226 mg/m3
Industry	Inhalation.	Short Term	Systemic Effects	384 mg/m3
Industry	Inhalation.	Short Term	Local Effects	384 mg/m3
Industry	Inhalation.	Long Term	Local Effects	192 mg/m3
Consumer	Inhalation.	Long Term	Systemic Effects	56.5 mg/m3
Industry	Inhalation.	Long Term	Systemic Effects	192 mg/m3
PNEC				
Industry	Freshwater	0.68	mg/l	
Industry	Sediment (Freshwater)	16.39	mg/kg	
Industry	STP	13.61	mg/l	
Industry	Soil	2.89	mg/kg	

BUTANONE (CAS: 78-93-3)

DNEL				
Consumer	Oral	Long Term	Systemic Effects	31 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	412 mg/kg/day
Industry	Dermal	Long Term	Systemic Effects	1161 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	106 mg/m3
Industry	Inhalation.	Long Term	Systemic Effects	600 mg/m3
PNEC				
Freshwater	Long Term	55.8	mg/l	
Marinewater	Long Term	55.8	mg/l	
Intermittent release	Intermittent release	55.8	mg/l	
STP	Long Term	709	mg/l	
Sediment	Long Term	284.7	mg/kg	
Soil	Long Term	22.5	mg/kg	

8.2. Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

Respiratory protection must be used if air contamination exceeds acceptable level.

Hand protection

Use protective gloves.

Eye protection

Use approved safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Colourless.
Odour	Organic solvents.
Solubility	Immiscible with water
Initial boiling point and boiling range	110

KUMZOF CLEANER

Relative density	0.87 @ 20 °c
Flash point	4 CC (Closed cup).
Flammability Limit - Lower(%)	1.3
Flammability Limit - Upper(%)	6.7

9.2. Other information**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

No incompatible groups noted.

10.6. Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Inhalation

Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness.

Ingestion

Harmful: may cause lung damage if swallowed.

Skin contact

Irritating to skin.

Route of entry

Inhalation. Skin absorption.

Specific effects

Contains a substance/a group of substances which may cause harm to the unborn child.

Toxicological information on ingredients.**TOLUENE (CAS: 108-88-3)**

Toxic Dose 1 - LD 50

> 2000 mg/kg (oral rat)

Toxic Dose 2 - LD 50

> 2000 mg/kg (oral-rbt)

Toxic Conc. - LC 50

> 20 ppm/4h (inh-rat)

KUMZOF CLEANER
BUTANONE (CAS: 78-93-3)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 5000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 5000 mg/l (vapours) Rat 4 hours

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. ToxicityEcological information on ingredients.**TOLUENE (CAS: 108-88-3)**

Acute Toxicity - Fish

LC50 96 hours 13 mg/l Carassius auratus (Goldfish)

LC50 96 hours 24 mg/l Onchorhynchus mykiss (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 11.5 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

IC50 72 hours 12 mg/l Selenastrum capricornutum

Acute Toxicity - Microorganisms

NOEC 29 mg/l Activated sludge

BUTANONE (CAS: 78-93-3)

Acute Toxicity - Fish

LC50 96 hours 2993 mg/l Pimephales promelas (Fat-head Minnow)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 308 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 96 hours 2029 Freshwater algae

Acute Toxicity - Microorganisms

EC50 96 hours > 50 mg/l Activated sludge

12.2. Persistence and degradabilityDegradability

The product is biodegradable.

KUMZOF CLEANEREcological information on ingredients.**TOLUENE (CAS: 108-88-3)**

Degradability

The product is easily biodegradable.

Biodegradation

Degradation (86%) 20 days
readily biodegradable

Biological Oxygen Demand

1.23 g O₂/g substance

BUTANONE (CAS: 78-93-3)

Degradability

The product is biodegradable.

Biodegradation

Air. Degradation (98%) 28 days
readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential

The product is not bioaccumulating.

Ecological information on ingredients.**TOLUENE (CAS: 108-88-3)**

Bioaccumulative potential

The product is not bioaccumulating.

Bioaccumulation factor

BCF 90

BUTANONE (CAS: 78-93-3)

Bioaccumulative potential

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

Ecological information on ingredients.**TOLUENE (CAS: 108-88-3)**

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

BUTANONE (CAS: 78-93-3)

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

Ecological information on ingredients.**TOLUENE (CAS: 108-88-3)**

This product does not contain any PBT or vPvB substances.

BUTANONE (CAS: 78-93-3)

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

KUMZOF CLEANER**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

UN No. (ADR/RID/ADN)	1294
UN No. (IMDG)	1294
UN No. (ICAO)	1294

14.2. UN proper shipping name

Proper Shipping Name	TOLUENE
----------------------	---------

14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	

**14.4. Packing group**

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

14.5. Environmental hazards**14.6. Special precautions for user**

EMS	F-E, S-D
Emergency Action Code	3YE
Hazard No. (ADR)	33
Tunnel Restriction Code	(D/E)

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**

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation

Dangerous Substance Directive 67/548/EEC.

KUMZOF CLEANER

National Regulations

Workplace Exposure Limits 2005 (EH40)

15.2. Chemical Safety Assessment**SECTION 16: OTHER INFORMATION**

Abbreviations and acronyms used in the safety data sheet

ADR : European Agreement concerning the International Transport of Dangerous Goods by Road RID : Regulations Concerning the International Transport of Dangerous Goods by Rail IMDG : International Maritime Code for Dangerous Goods IATA : International Air Transport Association ICAO : International Civil Aviation Organization GHS : Globally Harmonized System of Classification and Labelling of Chemicals EINECS : European Inventory of Existing Commercial Chemical Substances CAS : Chemical Abstracts Service DNEL ; Derived No Effect Level (REACH) PNEC : Predicted No Effect Concentration (REACH) LC50 : Lethal Concentration 50 percent LD50 : Lethal Dose 50 percent

Information Sources

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date DECEMBER 2011

Revision 11

Risk Phrases In Full

R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R36	Irritating to eyes.
R38	Irritating to skin.
R63	Possible risk of harm to the unborn child.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.

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.