

Revised: 05 March 2013
Revision: 03
Supersedes date: 17 January 2006

SAFETY DATA SHEET



ADHESIVE REMOVER

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: ADHESIVE REMOVER (PN 3110 , 3111 , 4105)

Mixture

REACH Registration number 01-2119475445-32-xxxx

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

Use of the Substance/Mixture

Solvent for Industrial Use
Additive for paint.
Uses in coatings
Use in cleaning agents
Adhesives
Chemical intermediate
Bonding agent..

1.3 Details of the supplier of the safety data sheet Company

QTEK Manufacturing Ltd.,
Riverside Commercial Estate,
Galway,
Ireland.
Email: sales@qtek.com

1.4 Emergency telephone number

Telephone Number: + (353) 91 745160

Fax Number: + (353) 91 751299

Hours of business (Monday to Friday): 0830 – 1730 hrs.

Closed Bank Holidays and Public Holidays

2. Hazards Identification

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

Human health

May irritate eyes. Visual disturbances, incl. blurred vision.

Environment

The product is not expected to be hazardous to the environment.

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Physical and Chemical Hazards

Not classified as hazardous in accordance with current safety and environmental legislation.

2.2. Label elements

Risk Phrases

NC Not classified.

Safety Phrases

S23 Do not breathe vapour/spray.

S51 Use only in well-ventilated areas.

Precautionary Statements

P13 Safety data sheet available for professional user on request.

2.3. Other hazards

3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical	CAS-No.	EINECS	EU Class	Weight [%]
DIMETHYL GLUTARATE	1119-40-0	214-277-2	Not classified.	60-100
DIMETHYL ADIPATE	627-93-0	211-020-6	Not classified.	10-30
DIMETHYL SUCCINATE	106-65-0	203-419-9	Eye Irrit. 2 - H319 Xi; R36.	10-30

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.
REACH Registration number 01-2119475445-32-xxxx

4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Do not give victim anything to drink if they are unconscious.

Inhalation

General first aid, rest, warmth and fresh air. Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

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Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

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

May cause respiratory irritation. Lung oedema.

Ingestion

Nausea, vomiting. Diarrhoea.

Skin contact

Prolonged and/or repeated contact may cause irritation.

Eye contact

Irritation, burning, lachrymation, blurred vision after liquid splash.

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

Treat symptomatically.

5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Solvent vapours may form explosive mixtures with air. Closed containers can burst violently when heated, due to excess pressure build-up.

Specific hazards

Fire creates: Carbon monoxide (CO). Vapours may form explosive air mixtures even at room temperature. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire.

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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. Eye contact MUST be prevented by means of suitable personal protection equipment. Avoid contact with skin and eyes. Do not touch or walk through spilled material.

6.2. Environmental precautions

Do not discharge onto the ground or into water courses. Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

Provide ventilation and confine spill. Do not allow runoff to sewer. Dam and absorb spillage with sand, sawdust or other absorbent. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13..

7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Wear full protective clothing for prolonged exposure and/or high concentrations. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Keep containers tightly closed. Store in closed original container in a dry place. Avoid contact with oxidising agents.

Storage Class

Miscellaneous hazardous material storage.

7.3. Specific end use(s)

Usage Description

The information contained within this Safety Data Sheet is given as a guide to the precautions required to maintain a safe work environment.

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	STD	TWA 8 hours	STEL 15 mins	Notes
DIMETHYL GLUTARATE		5 ppm 36 mg/m ³		
DIMETHYL ADIPATE		5 ppm 33 mg/m ³	-	
DIMETHYL SUCCINATE		5 ppm 36 mg/m ³	-	

Ingredient Comments

No exposure limits noted for ingredient(s).

DNEL Industry Inhalation.	8.3 mg/m ³
DNEL Consumer Inhalation.	5 mg/m ³
PNEC Freshwater	0.018 mg/l
PNEC Marinewater	0.0018 mg/l
PNEC Soil	0.09 mg/kg
PNEC STP	10 mg/l

8.2. Exposure controls

Protective equipment

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Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Butyl rubber gloves are recommended. Manufactured/tested in accordance with EN 374. Breakthrough Time > 8 hours - Glove thickness: 0.5mm UNSUITABLE MATERIALS: Nitrile. Polyvinyl chloride (PVC). Fluoro rubber, Polychloroprene, FKM

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact. Manufactured/Tested in accordance with EN 166.

Other Protection

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

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

Skin protection

Wear apron or protective clothing in case of contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Colourless
Physical State	liquid.
Odour	Fruity. Mild.
Initial boiling point and boiling range	196 - 225c @ 1013 hPa
Melting point (°C)	- 20c @ 1013 hPa
Relative density	1.092 20
Vapour pressure	0.008 kPa 20c
Evaporation rate	<0.1 (BuAc=1)
Viscosity	2.6 mPas 25c
Solubility Value (G/100G H2O@20°C)	5.3
Flash point (°C)	103 Not noted.
Auto Ignition Temperature (°C)	370
Flammability Limit - Lower(%)	0.9
Flammability Limit - Upper(%)	8
Partition Coefficient (N-Octanol/Water)	0.19

9.2. Other information

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10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong alkalis. Strong oxidising substances.

10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO₂).

11: TOXICOLOGICAL INFORMATION

Toxicological information

LD50: oral rat: Dimethyl glutarate and dimethyl succinate = > 5000 mg/kg; Dimethyl adipate = > 7500 mg/kg.

Acute Toxicity (Oral LD50) > 5000 mg/kg Rat

Acute Toxicity (Dermal LD50) > 2250 mg/kg Rabbit

Acute Toxicity (Inhalation LC50) > 9 mg/l (vapours) Rat 4 hours

ATE (Inhalation) 10.7 mg/l (vapours)

Not irritating.

Not Sensitising.

STOT - Repeated exposure NOAEL >1000 mg/kg Oral Rat

Inhalation

Upper respiratory irritation.

Ingestion

Nausea, vomiting. Diarrhoea.

Skin contact

Prolonged and frequent contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation. Visual disturbances including blurred vision

Health Warnings

Product has a defatting effect on skin.

Route of entry

Skin and/or eye contact.

Target Organs

Eyes Skin

Medical Symptoms

Skin irritation. Irritation of eyes and mucous membranes. Visual disturbances, incl. blurred vision.

Reddened skin if chemical is not removed by washing. Later, white and wrinkled skin without pain, often with delayed skin burns.

Medical Considerations

Skin disorders and allergies.

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12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

Acute Toxicity - Fish	LC50 96 hours ~ 21 Pimephales promelas (Fat-head Minnow)
	Units: ppm
EC 50, 48 Hrs, Daphnia, mg/l	112 - 150
Acute Toxicity - Aquatic Plants	EC50 72 hours > 85 mg/l

12.2. Persistence and degradability

Degradability

Readily biodegradable.

Biodegradation

Degradation (%) 87 Degradation (%) 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition Coefficient 0.19

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

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

Waste Class

EWC NUMBER: Allocation of a waste code number in accordance with the European Waste Catalogue, should be carried out in agreement with an EA authorised waste disposal company.

SECTION 14: TRANSPORT INFORMATION

General Not regulated

14.1. UN number

UN No. (ADR/RID/ADN) N/A

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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

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15: REGULATORY INFORMATION

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

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1907/2006 REACH. Regulation (EC) No 1272/2008 CLP.

Water hazard classification

WGK 1

15.2. Chemical Safety Assessment.

SECTION 16: OTHER INFORMATION

This revision was updated from previous revision to incorporate requirements of REACH Regulation 1907/2006, CLP Regulation 1272/2008 and Safety Data Sheet format changes as per Annex II of REACH EU No 453/2010.

SDS history:

Revision:	03
First issue:	08 October 1999
Revised:	05 March 2013

Risk Phrases In Full

R36	Irritating to eyes.
NC	Not classified.

Hazard Statements In Full

H319	Causes serious eye irritation.
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Further information

Other information: || Indicates updated section.

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

ADHESIVE REMOVER

The data contained herein is based on information currently available to QTEK Manufacturing Ltd. and is believed to be factual. As a blender, and compounder, QTEK does not manufacture the raw materials used in this product and correspondingly relies on information provided to QTEK Manufacturing Ltd. from material safety data sheets on the specific raw materials in the construction of this material safety data sheet. Such information is, to the best of QTEK Manufacturing Ltd's knowledge and belief, accurate and reliable as of the date of this MSDS. **HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO THE ACCURACY, RELIABILITY, OR COMPLETENESS.** It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular application. This information is not intended to be all-inclusive as of the manner and conditions of use, handling and storage. Other factors may involve other or additional safety or performance considerations. This data is not to be taken as a warranty or representation of which QTEK Manufacturing Ltd. assumes legal responsibility.