

SAFETY DATA SHEET STAGE 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name STAGE 2

Internal identification M171

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

Identified uses Polish.

1.3. Details of the supplier of the safety data sheet

Supplier GARDX INTERNATIONAL LTD
UNIT 7 CLOVELLY BUSINESS PARK
CLOVELLY ROAD
SOUTHBOURNE, EMSWORTH
HANTS
PO10 8PE
+44 (0)1243 376426
product@gardx.co.uk

1.4. Emergency telephone number

Emergency telephone (24 hrs) +44 (0) 777 8505 330

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 3 - H226

Health hazards STOT SE 3 - H336 STOT RE 1 - H372

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) N;R51/53. R10,R66.

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe vapour/spray.

P273 Avoid release to the environment.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P501 Dispose of contents/container in accordance with national regulations.

P280 Wear protective gloves.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

PETROLEUM DISTILLATE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PETROLEUM DISTILLATE			10-30%
CAS number: 64742-82-1	EC number: 919-446-0	REACH registration number: 01-2119458049-33-0000	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Flam. Liq. 3 - H226	Xn;R65. N;R51/53. R10,R66,R67.		
STOT SE 3 - H336			
STOT RE 1 - H372			
Asp. Tox. 1 - H304			
Aquatic Chronic 2 - H411			
TREATED KAOLIN			1-5%
CAS number: 1332-58-7	EC number: 310-127-6		
Classification	Classification (67/548/EEC or 1999/45/EC)		
Not Classified	-		
ALUMINIUM SILICATE			1-5%
CAS number: 1344-28-1	EC number: 215-691-6	REACH registration number: 01-2119529248-35-XXXX	
Classification	Classification (67/548/EEC or 1999/45/EC)		
Not Classified	-		

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3-iodo-2-propynylbutylcarbamate		<1%
CAS number: 55406-53-6		EC number: 259-627-5
M factor (Acute) = 10		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 3 - H301	Xi;R41. N;R50. R43.	
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
STOT SE 3 - H335		
STOT SE 3 - H335		
Aquatic Acute 1 - H400		

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 affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

Inhalation	May cause drowsiness or dizziness.
Ingestion	May cause discomfort if swallowed.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	May cause discomfort.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Foam, carbon dioxide or dry powder.
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

Specific hazards	Flammable liquid and vapour.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).

5.3. Advice for firefighters

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Protective actions during firefighting Containers close to fire should be removed or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Provide adequate ventilation. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions Toxic to aquatic life with long lasting effects. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours. Do not eat, drink or smoke when using this product. Do not reuse empty containers. Do not empty into drains. Wash skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 4°C and 40°C. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

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

Occupational exposure limits

PETROLEUM DISTILLATE

Long-term exposure limit (8-hour TWA): WEL 350 mg/m³

TREATED KAOLIN

Long-term exposure limit (8-hour TWA): WEL 2 mg/m³

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ALUMINIUM SILICATE

Short-term exposure limit (15-minute): 10 mg/m³ resp.dust

WEL = Workplace Exposure Limit

PETROLEUM DISTILLATE (CAS: 64742-82-1)

DNEL

Workers - Inhalation; Long term systemic effects: 330 mg/m³
 Workers - Dermal; Long term systemic effects: 44 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 71 mg/m³
 Consumer - Dermal; Long term systemic effects: 26 mg/kg/day
 Consumer - Oral; Long term systemic effects: 26 mg/kg/day

ALUMINIUM HYDROXIDE (CAS: 21645-51-2)

DNEL

Workers - Inhalation; Long term systemic effects: 10.76 mg/m³
 Workers - Inhalation; Long term local effects: 10.76 mg/m³
 General population - Oral; Long term systemic effects: 4.74 mg/kg/day

8.2. Exposure controls

Protective equipment



Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. For exposure up to 4 hours, wear gloves made of the following material: Rubber (natural, latex). Nitrile rubber. Neoprene.

Hygiene measures

Wash hands thoroughly after handling.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Creamy liquid.
Colour	Light (or pale). Yellow.
Odour	Pleasant, agreeable.
pH	Not applicable.
Flash point	40°C SCC (Setaflash closed cup).
Relative density	0.955 @ 25°C
Solubility(ies)	Insoluble in water.
Viscosity	25000 cP @ 25°C

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9.2. Other information

Other information Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid Keep away from flammable and combustible materials.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances:
Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation May cause drowsiness or dizziness.

Ingestion May cause discomfort if swallowed.

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact May cause discomfort.

Toxicological information on ingredients.

PETROLEUM DISTILLATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 15,000.0

Species Rat

ATE oral (mg/kg) 15,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,400.0

Species Rat

ATE dermal (mg/kg) 3,400.0

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 1056 mg/kg, Oral, Rat

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Target organs	Central nervous system
<u>Aspiration hazard</u>	
Aspiration hazard	May be fatal if swallowed and enters airways.

ALUMINIUM HYDROXIDE

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	2,000.01
Species	Rat
ATE oral (mg/kg)	2,000.01
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ dust/mist mg/l)	7.6
Species	Rat
ATE inhalation (dusts/mists mg/l)	7.6

3-IODO-2-PROPYNYLBUTYLCARBAMATE

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	300.0
Species	Rat
ATE oral (mg/kg)	300.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	2,000.0
Species	Rat
ATE dermal (mg/kg)	2,000.0
<u>Acute toxicity - inhalation</u>	
ATE inhalation (vapours mg/l)	11.0

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	53.0
Species	Rat
Notes (oral LD₅₀)	Estimated value.
ATE oral (mg/kg)	53.0
<u>Acute toxicity - dermal</u>	

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ATE dermal (mg/kg)	300.0
<u>Acute toxicity - inhalation</u>	
ATE inhalation (vapours mg/l)	3.0
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.

SECTION 12: Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

PETROLEUM DISTILLATE

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Acute toxicity - fish Not determined.

Ecological information on ingredients.

PETROLEUM DISTILLATE

Acute toxicity - fish	LC ₅₀ , 96 hours: <30 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: <22 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 4.6-10 mg/l, Algae
Acute toxicity - microorganisms	EC ₅₀ , 48 hours, 48 hours: 43.98 mg/l,
Chronic toxicity - aquatic invertebrates	NOEC, 21 days, 21 days: 0.097 mg/l, Daphnia magna

3-IODO-2-PROPYNILBUTYLCARBAMATE

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

Acute toxicity - fish Estimated value.
LC₅₀, 96 hours: 13 mg/l, Fish

Chronic aquatic toxicity

NOEC 0.001 < NOEC ≤ 0.01

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Degradability Non-rapidly degradable

M factor (Chronic) 10

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Ecological information on ingredients.

PETROLEUM DISTILLATE

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

12.4. Mobility in soil

Mobility The product has poor water-solubility.

Ecological information on ingredients.

PETROLEUM DISTILLATE

Surface tension 0.02 mN/m @ 25°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

PETROLEUM DISTILLATE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

14.2. UN proper shipping name

Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S. (petroleum distillate)

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Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (petroleum distillate)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (petroleum distillate)

14.3. Transport hazard class(es)

ADR/RID class 3

IMDG class 3

ICAO class/division 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Tunnel restriction code (D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation Commission Regulation (EU) No 453/2010 of 20 May 2010.
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 (as amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

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SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>IATA: International Air Transport Association.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	12/07/2016
Revision	3.4
Supersedes date	14/06/2016
SDS number	24888
Risk phrases in full	<p>Not classified.</p> <p>R10 Flammable.</p> <p>R22 Harmful if swallowed.</p> <p>R38 Irritating to skin.</p> <p>R41 Risk of serious damage to eyes.</p> <p>R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.</p> <p>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R65 Harmful: may cause lung damage if swallowed.</p> <p>R66 Repeated exposure may cause skin dryness or cracking.</p> <p>R67 Vapours may cause drowsiness and dizziness.</p>
Hazard statements in full	<p>H226 Flammable liquid and vapour.</p> <p>H301 Toxic if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H312 Harmful in contact with skin.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.</p> <p>H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure.</p> <p>H400 Very toxic to aquatic life.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>

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.