PRODUCT SAFETY DATA SHEET

This generic SDS is provided by MGS Ltd to give information to assist with material handling of the products listed which are conforming to Regulation (EC) 1272/2018

Doc No:	HS8 C42-220
Version:	MGS 4/JS
Date:	October 2026
Review Date:	October 2027

SECTION 1: Identification of the substance / mixture and of the company / undertaking	
1.1 Product Identifier	
Product Name:	Cold Lay Macadam
Synonyms / Trade Name:	Macadam
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Recommended Use:	Delayed set macadam for pothole and other road surface repairs.
Restriction on Use:	Any uses not described above are advised against.
Physical Properties:	Granular solid, variable particle size. Typically, black/dark brown. Strong characteristic odour.
1.3 Details of the supplier of the Safety Data Sheet	
Name:	MGS Ltd
Address:	Rougham Industrial Estate, Bury St Edmunds, IP30 9ND
Country:	UK
Phone N°:	+44 1359 271167
Email:	info@mgs.co.uk
Website:	www.mgs.co.uk
1.4 Emergency telephone number	
Emergency telephone at the company:	+44 7738 197 517
Available outside office hours:	Yes
Language of the phone service:	English
E-mail of competent person responsible:	darren.portway@mgs.co.uk
National contact:	Darren Portway

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)
Carcinogenicity, Category 1B H350
Full text of H- and EUH-statements: see section 16
Adverse physicochemical, human health and environmental effects
No additional information available

2.2 Label elements

Labelling according to GB CLP (SI 2019:720 as amended)
Hazard pictograms (GB CLP):
GHS08
Signal word (GB CLP): Danger
Contains: Gasoil - Unspecified - Distillates (Petroleum), Hydrotreated Middle

Hazard statements (GB CLP): H350 - May cause cancer.



Precautionary statements (GB CLP) :	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection. P308+P313 - IF exposed or concerned: Get medical advice or attention. P405 - Store locked up. P501 - Dispose of contents and container to a hazardous or special waste collection point, in accordance with local, regional, national and international regulations.

2.3 Other hazards	
Results of PBT and vPvB assessment	
Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	N-[2-(piperazin-1-yl)ethyl]C18-unsatured-alkylamide (1228186-18-2), GASOIL - Unspecified - Distillates (Petroleum), Hydrotreated Middle (64742-46-7)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	N-[2-(piperazin-1-yl)ethyl]C18-unsatured-alkylamide (1228186-18-2), GASOIL - Unspecified - Distillates (Petroleum), Hydrotreated Middle (64742-46-7)
Results of Endocrine Disruptor Assessment	
Component	
Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	Gasoil - Unspecified - Distillates (Petroleum), Hydrotreated Middle(64742-46-7), N-[2-(piperazin-1-yl)ethyl]C18-unsatured-alkylamide(1228186-18-2)

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	**Product Identifier**	**%**	**Classification according to GB CLP (SI 2019:720 as amended)**
Distillates (petroleum), hydrotreated middle; Gasoil — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205°C to 400°C (401°F to 752°F).	CAS-No.: 64742-46-7 EC-No.: 265-148-2 UK Index-No.: 649-221-00-X	< 0.5	Carc. 1B, H350
N-[2-(piperazin-1-yl)ethyl]C18-unsatured-alkylamide	CAS-No.: 1228186-18-2 EC-No.: 629-767-5	< 0.5	Acute Tox. 4 (Oral), H302 (ATE=1100 mg/kg bodyweight) STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Full text of H- and EUH-statements: see section 16			

SECTION 4: First Aid Measures	
4.1 Description of first aid measures	
General:	If you are feeling unwell, seek medical advice.
Skin contact:	Wash skin with plenty of water
Eye contact:	Rinse immediately with plenty of water
Ingestion:	Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor. Always assume that aspiration has occurred.
Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Self-protection of first aider	First aiders should pay attention to their own protection and use the recommended personal protective equipment (see Section 8).
4.2 Most important symptoms and effects, both acute and delayed	
No additional information available.	
4.3 Indication of any immediate medical attention and special treatment needed	
Treat symptomatically.	
SECTION 5: Fire Fighting Measures	
5.1 Extinguishing media	
Suitable extinguishing media:	Water spray. Dry Powder. Foam.
Unsuitable extinguishing media:	Do not use a heavy water stream
5.2 Special hazards arising from the substance or mixture	
Fire hazard:	No fire hazard
Explosion hazard:	No direct explosion hazard
Hazardous decomposition products in case of fire:	Toxic fumes may be released.
5.3 Advice for fire fighters	
Firefighting instructions:	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental Release Measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
General Measures:	Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
6.1.1 For non-emergency personnel	
Protective equipment:	Wear recommended personal protective equipment.
Emergency procedures:	Ventilate spillage area.
6.1.2 For emergency responders	
Protective equipment:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8 “Exposure controls/personal protection”.
Emergency procedures:	Evacuate unnecessary personnel.
6.2 Environmental precautions	
Avoid release to the environment.	

6.3 Methods and material for containment and cleaning up	
For containment:	Using a clean shovel, put the material in a dry container and cover without compressing it.
Methods for cleaning up:	Mechanically recover the product. Notify authorities if product enters sewers or public waters.
Other information:	Dispose of materials or solid residue at an authorised site.
6.4 Reference to other sections	
For further information, refer to section 13.	
SECTION 7: Handling & Storage	
7.1 Precautions for safe handling	
Precautions for safe handling:	Avoid contact with skin and eyes.
Handling temperature:	Product is used at ambient temperature.
Hygiene measures:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures:	Keep locked up in cool, well-ventilated place away from heat.
Storage conditions:	Keep cool. Protect from sunlight.
Packaging materials:	Always store product in container of same material as original container.
7.3 Specific end use(s)	
No additional information available.	
SECTION 8: Exposure Controls / Personal Protection	
8.1 Control parameters	
8.1.1 National occupational exposure and biological limit values	
No additional information available.	
8.1.2 Recommended monitoring procedures	
No additional information available.	
8.1.3 Air contaminants formed	
No additional information available.	
8.1.4 DNEL and PNEC	
No additional information available.	
8.1.5 Control Banding	
No additional information available.	
8.2 Exposure controls	
8.2.1 Appropriate engineering controls	
Ensure good ventilation of the workstation.	

8.2.2 Personal protective equipment		
Eye / Face:	Safety glasses	
Skin / Hands:	Protective gloves	
Body Protection:	Wear suitable protective clothing.	
Respiratory:	In case of insufficient ventilation, wear suitable respiratory equipment	

8.2.3 Enviromental Exposure Controls

Avoid release to the environment.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Odour:	Characteristic odour, strong
Odour threshold:	Not available
pH:	Not available
pH solution:	Not available
Melting point:	Not applicable
Freezing point:	Not applicable
Boiling point:	Not available
Flash point:	Not applicable
Flammability:	Not available
Explosive limits:	Not applicable
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Vapour pressure:	Not available
Vapour pressure at 50°C:	Not available

Relative vapour density at 20°C:	Not applicable
Relative density:	Not available
Density:	Not available
Solubility:	Not available
Partition coefficient: n-octanol/water (log Kow):	Not available
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
Viscosity kinematic:	Not applicable
Explosive properties:	Not available

9.2 Other information

No additional information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity

This product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7.)

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

Under normal conditions or storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
N-[2-(piperazin-1-yl)ethyl]C18-unsatured-alkylamide (1228186-18-2)	
LD50 oral rat	200 – 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
Skin corrosion/irritation	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Carcinogenicity: May cause cancer.
Reproductive toxicity:	Not classified
STOT – single exposure	Not classified
STOT – repeated exposure	Not classified

N-[2-(piperazin-1-yl)ethyl]C18-unsatured-alkylamide (1228186-18-2)	
NOAEL (oral, rat, 90 days):	50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: other: Japanese Chemical Substances Control Law 1987 according to the notification of November 21, 2003 by Ministry of Health, Labor and Welfare (No. 1121002), Ministry of Economy, Trade and Industry (No. 2) and Ministry of Environment (No. 031121002)
STOT repeated exposure:	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Not classified
Probit Delayed Set Macadam	
Viscosity, kinematic	Not applicable
Other information	
No additional information available.	
SECTION 12: Ecological Information	
12.1 Toxicity	
Ecology – general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long term (chronic)	Not classified
N-[2-(piperazin-1-yl)ethyl] C18-unsatured-alkylamide (1228186-18-2)	
LC50 - Fish [1] 10 mg/l	LC50 - Fish [1] 10 mg/l
EC50 - Crustacea [1] 0.44 mg/l Test organisms (species): Daphnia magna	EC50 - Crustacea [1] 0.44 mg/l Test organisms (species): Daphnia magna
NOEC (chronic) 0.37 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	NOEC (chronic) 0.37 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
EC10, marine or freshwater 0.1 mg/l	EC10, marine or freshwater 0.1 mg/l
12.2 Persistence and degradability	
Probit Delayed Set Macadam	
Persistence and degradability	Not rapidly degradable
N-[2-(piperazin-1-yl)ethyl]C18-unsatured-alkylamide (1228186-18-2)	
Persistence and degradability	Not rapidly degradable
Gasoil - Unspecified - Distillates (Petroleum), Hydrotreated Middle (64742-46-7)	
Persistence and degradability	Not rapidly degradable

12.3 Bioaccumulative potential	
Probit Delayed Set Macadam	
Bioaccumulative potential	This material is not expected to bioaccumulate.
N-[2-(piperazin-1-yl) ethyl]C18-unsatured-alkylamide (1228186-18-2)	
Bioconcentration factor (BCF REACH)	< 4.5 L/kg
Gasoil - Unspecified - Distillates (Petroleum), Hydrotreated Middle (64742-46-7)	
12.4 Mobility in soil	
No additional information available.	
12.5 Results of PBT and vPvB assessment	
Component	
N-[2-(piperazin-1-yl)ethyl] C18-unsatured-alkylamide (1228186-18-2)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
Gasoil - Unspecified - Distillates (Petroleum), Hydrotreated Middle (64742-46-7)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
12.6 Other adverse effects	
Ozone:	Not classified
SECTION 13: Disposal Considerations	
13.1 Waste treatment methods	
Regional waste regulation:	Disposal must be done according to official regulations
Waste treatment methods:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations:	Disposal must be done according to official regulations
Product/packaging disposal recommendations:	Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.
Additional information:	Do not re-use empty containers.
SECTION 14: Transportation Information	
In accordance with ADR / IMDG / IATA / ADN / RID	

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Transport document description				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
PRODUCT SHIPPED IN SOLID STATE – NON-HAZARDOUS				
14.6 Special precaution for user				
Overland transport Not applicable **Transport by sea** Not applicable **Air transport** Not applicable **Inland waterway transport** Not applicable **Rail transport** Not applicable				
14.7 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				
15.1.1 National regulations **UK REACH Annex XVII (Restriction List)**				

Reference code Applicable on Entry title or description	**Reference code Applicable on Entry title or description**	**Reference code Applicable on Entry title or description**
3(b) N-[2-(piperazin-1-	N-[2-(piperazin-1-yl)ethyl]C18-unsaturedalkylamide; GASOIL - UNSPECIFIED - DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	N-[2-(piperazin-1-yl)ethyl]C18-unsaturedalkylamide	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

UK REACH Annex XIV (Authorisation List)
This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)
This product contains no substance(s) listed on the UK REACH Candidate List (SVHC).

GB PIC Regulation (Prior Informed Consent)
This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)
This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)
This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act
This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure. This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations Drug Precursors Regulation (EC 273/2004)
This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.2 Chemical safety assessment

No chemical safety assessment has been carried out,

SECTION 16: Other Information

Abbreviations and acronyms:

ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
BS EN	British Standard
CAS-No.	Chemical Abstracts Service number
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic

PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H302	Harmful if swallowed.
H350	May cause cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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 of completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.