DEM 33-1

Safety Data Sheet
According to Regulation (EC) No. 2020/878

Version : 8
Issue date : 03/11/2023

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

1.1 - Product identifier

Trade name/designation	Polymold SM40
Product-type	Mixture
UFI:	P78S-M4GV-1A9P-VSG3

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

Relevant identified uses - Lubricants, greases, release agents

1.3 - Details of the supplier of the safety data sheet

ORRION CHEMICALS ORGAFORM
Le Pressoir Vert - 45400 SEMOY - FRANCE
45400 SEMOY France
Telephone : +33 (0)2 38 61 81 00
Website www.oc-orgaform.com/en/
Email: contact@oc-orgaform.com

1.4 - Emergency telephone number

- National Poisons Information Service
Phone +44 121 507 4123 United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Skin Irrit. 2	Irritation, Category 2
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)
Asp. Tox. 1	Aspiration hazard - Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (CAS No.:) | Hydrocarbures, C7, n-alcanes, isoalcanes, cycliques (CAS No.: 64742-49-0) | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (CAS No.:)

Signal word : Danger

Hazard pictograms

Hazard statements

H225	Highly flammable liquid and vapour

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P261	Avoid breathing gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking

2.3 - Other hazards

PBT-substance. - The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

Other hazards which do not result in classification - The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Hydrocarbures, C7, n-alcanes, isoalcanes, cycliques	CAS No. : 64742-49-0 Index No. : 649-328-00-1 EC No. : 265-151-9 REACH No. : 01-2119475515-33	>= 50 - <= 100	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 (H336) - H336	Not applicable
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	CAS No. : Index No. : EC No. : 920-750-0 REACH No. : 01-2119473851-33	>= 25 - <= 50	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS No. : Index No. : EC No. : 927-241-2 REACH No. : 01-2119471843-32	>= 1 - <= 10	Aquatic Chronic 3 - H412 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation	- Provide fresh air.
Following skin contact	- After contact with skin, wash immediately with plenty of water and soap.
After eye contact	- Rinse immediately carefully and thoroughly with eye-bath or water.
After ingestion	- Do NOT induce vomiting. - Give nothing to eat or drink. - When in doubt or if symptoms are observed, get medical advice.

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

Symptoms and effects - Following inhalation	- Headache. Nausea. Vomiting. - May cause drowsiness or dizziness.
Symptoms and effects - Following skin contact	- May cause skin irritation.
Symptoms and effects - After eye contact	- No information available.
Symptoms and effects - After ingestion	- Ingestion causes nausea, weakness and central nervous system effects. - Headache. Nausea. Vomiting. - May cause drowsiness or dizziness.

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

- If swallowed, the product may be aspirated into the lungs and cause chemical pneumonia. Treat accordingly

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media	- ABC-powder - Carbon dioxide (CO_2) - Foam
Unsuitable extinguishing media	- Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	- The vapour is heavier than air and may travel along the ground; distant ignition possible.
Hazardous decomposition products	- Hazardous combustion products - Carbon dioxide (CO_2) - Carbon monoxide

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Do not allow run-off from fire-fighting to enter drains or water courses.
- Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	- Remove all sources of ignition. - Personal protection equipment: see section 8 - Provide adequate ventilation.
For emergency responders	- Wear protective gloves and protective clothing. - Wear breathing apparatus if exposed to vapours/dusts/aerosols. - Remove all sources of ignition. - Wear personal protection equipment (refer to section 8).

6.2 - Environmental precautions

- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.
- Do not allow to enter into surface water or drains.
- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.3 - Methods and material for containment and cleaning up

Methods and material for containment	- Stop leak if safe to do so. - In case of leakage, eliminate all ignition sources. - Soak up inert absorbent and dispose as waste requiring special attention.
Methods and material for cleaning up	- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). - Ventilate affected area.
Inappropriate techniques	- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8
- Safe handling: see section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation	- When hot, product develops flammable vapours. - Provide earthing of containers, equipment, pumps and ventilation facilities. - Provide adequate ventilation as well as local exhaustion at critical locations. - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. - Avoid:Skin contact
Advices on general occupational hygiene	- Avoid contact with skin, eyes and clothes. - Wash hands before breaks and after work.

- When using do not eat, drink, smoke, sniff.

7.2 - Conditions for safe storage, including any incompatibilities

- Ensure adequate ventilation of the storage area.
- Protect against:Heat
- Recommended storage temperature : 5 - 35°C

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

- Does not contain substances above concentration limits fixing an occupational exposure limit.

DNEL / PNEC

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	46 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	871 mg/m³	Workers	Systemic
DNEL long-term inhalative	185 mg/m³	Consumers	Systemic
DNEL long-term dermal	46 mg/kg bw/day	Consumers	Systemic
DNEL long-term dermal	77 mg/kg bw/day	Workers	Systemic

Hydrocarbures, C7, n-alcanes, isoalcanes, cycliques (64742-49-0)			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	149 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	2085 mg/m³	Workers	Systemic
DNEL long-term inhalative	447 mg/m³	Consumers	Systemic
DNEL long-term dermal	300 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	149 mg/kg bw/day	Consumers	Systemic

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics			
Type	**Value**	**User**	**Effect**
DNEL long-term oral (repeated)	699 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	608 mg/m³	Consumers	Systemic
DNEL long-term inhalative	2035 mg/m³	Workers	Systemic
DNEL long-term dermal	699 mg/kg bw/day	Consumers	Systemic
DNEL long-term dermal	773 mg/kg bw/day	Workers	Systemic

8.2 - Exposure controls

Appropriate engineering controls

- Emergency shower installed
- Provide eye shower and label its location conspicuously
- Provide adequate ventilation.

Individual protection measures, such as personal protective equipment	- In case of insufficient ventilation, wear appropriate respiratory equipment. Gas mask with filter type A (EN 136-140-405+A1; EN143 - 149) - Gloves resistant to chemical products (according to standard NF EN 374 or equivalent). Nitrile rubber protective gloves. Breaking time (min): > 480. Material thickness: >= 0.38 mm - Suitable eye protection:Eye glasses with side protection - Protective clothing NF EN 14605. Antistatic clothing. Safety shoes (EN 345-347)
Environmental exposure controls	- Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Colour	White	Odour	characteristic

Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	85 °C
Flash point	< 0 °C
Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.71-0.745
Density	No data available
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

- No data available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

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

10.5 - Incompatible materials

- Oxidising agent, strong

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available

LC50 inhalation vapours (rat)	No data available

- No data available.

Toxicity : Substances

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics ()	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rat)	> 5000 mg/kg
LC50 inhalation (rat)	> 4951 ppmV

Hydrocarbures, C7, n-alcanes, isoalcanes, cycliques (64742-49-0)	
LD50 oral (rat)	> 5840 mg/kg
LD50 dermal (rat)	> 2920 mg/kg
LC50 inhalation (rat)	> 23300 ppmV

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics ()	
LD50 oral (rat)	> 5820 mg/kg
LD50 dermal (rat)	> 2920 mg/kg
LC50 inhalation (rat)	> 23,3 ppmV

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation

- No data available.

Serious eye damage/eye irritation - Not classified

- No data available.

Respiratory or skin sensitisation - Not classified

- No data available.

Germ cell mutagenicity - Not classified

- No data available.

Carcinogenicity - Not classified

- No data available.

Reproductive toxicity - Not classified

- No data available.

STOT-single exposure - STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness

- No data available.

STOT-repeated exposure - Not classified

- No data available.

Aspiration hazard - Aspiration hazard - Category 1 - May be fatal if swallowed and enters airways

11.2 - Information on other hazards

- No information available.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics ()	
EC50 48 hr crustacea	22 mg/l < V < 46 mg/l
LC50 96 hr fish	10 mg/l < V < 30 mg/l
ErC50 algae	> 1000 mg/l

Hydrocarbures, C7, n-alcanes, isoalcanes, cycliques (64742-49-0)	
EC50 48 hr crustacea	3 mg/l
LC50 96 hr fish	13,41 mg/l
ErC50 algae	6,3 mg/l
NOEC chronic fish	0,574 mg/l
NOEC chronic crustacea	1 mg/l
NOEC chronic algae	6,3 mg/l

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No data available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No data available.

12.4 - Mobility in soil

- No data available.

12.5 - Results of PBT and vPvB assessment

- The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 - Endocrine disrupting properties

- This mixture does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods	- Dispose of contents/container to an appropriate recycling or disposal facility.
Sewage disposal	- Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).
Special precautions for waste treatment	- Do not allow to enter into surface water or drains.
Community or national or regional provisions	- Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR)	:	UN1993
UN number (IMDG)	:	UN1993
UN number (IATA)	:	UN1993

14.2 - UN proper shipping name

UN proper shipping name (ADR)	:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbures, C7, n-alcanes, isoalcanes, cycliques, Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)
UN proper shipping name (IMDG)	:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbures, C7, n-alcanes, isoalcanes, cycliques, Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)
UN proper shipping name (IATA)	:	FLAMMABLE LIQUID, N.O.S. (Hydrocarbures, C7, n-alcanes, isoalcanes, cycliques, Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)

14.3 - Transport hazard class(es)

ADR Transport hazard class(es)	:	3
ADR Classification code:	:	F1
Pictograms		
Transport hazard class(es) (IMDG)	:	3

Pictograms		
Transport hazard class(es) (IATA)	:	3
Pictograms		

14.4 - Packing group

Packing group	:	II
Packing group (IMDG)	:	II
Packing group (IATA)	:	II

14.5 - Environmental hazards

Environmental hazards	:	Yes.
Marine pollutant	:	Hazardous to the aquatic environment - Aquatic Chronic 2

14.6 - Special precautions for user

ADR

ADR Classification code:	:	F1
ADR Special provisions	:	274+601+640D
ADR Limited quantity (LQ)	:	1L
ADR Excepted quantities	:	E2
ADR Packing instructions	:	P001 IBC02 R001
ADR Special packing provisions	:	
ADR Mixed packing provisions	:	MP19
Instructions for portable tanks and bulk containers	:	T7
Special provisions for portable tanks and bulk containers	:	TP1 TP8 TP28
ADR tank code	:	LGBF
ADR tanks special provisions	:	
Vehicle for tank carriage	:	FL
ADR Transport category	:	2

ADR Tunnel restriction code	:	D/E
ADR Special provisions loading, unloading and handling	:	
Special provisions - Packages	:	
Special provisions - Bulk	:	
Special provisions - Operation	:	S2 S20
ADR Hazard identification number (Kemler No.)	:	33
IMDG		
Special provisions	:	274
Limited quantity (LQ)	:	1 L
Excepted quantities	:	E2
Packing instructions	:	P001
Special packing provisions	:	
IBC instruction(s)	:	IBC02
IBC provisions	:	
Instructions for portable tanks and bulk containers	:	T7
Special provisions for portable tanks and bulk containers	:	TP1 TP28 TP8
EmS codes	:	F-E, S-E
Stowage and handling	:	Category B
Segregation	:	
Properties and observations	:	
IATA		
PCA - Excepted quantities	:	E2
PCA - Limited Quantity - Packing Instructions	:	Y341
PCA - Limited Quantity - Maximum Net Quantity per Package	:	1L
PCA - Packing Instructions	:	353
PCA - Maximum Net Quantity per Package	:	5L
CAO - Packing Instructions	:	364
CAO - Maximum Net Quantity per Package	:	60L
Special Provisions	:	A3
ERG Code	:	3H

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None

VOC content	No data available

- Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
8	03/11/2023	Orrion Chemicals Orgaform	Format

Abbreviations and acronyms

- ADR: Accord relatif au transport international des marchandises dangereuses par route
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DOT: US Department of Transportation
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substance
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- IATA: International Air Transport Association
- IMDG: International Maritime Code for Dangerous Goods
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- Air transport (ICAO-TI/IATA-DGR)
- vPvB: very Persistent and very Bioaccumulative

Texts of the regulatory sentences

Acute Tox. 2 Inhalation	Acute toxicity (inhalative) - Category 2
Acute Tox. 3 Dermal	Acute toxicity (dermal) - Category 3
Acute Tox. 3 Oral	Acute toxicity (oral) - Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Asp. Tox. 1	Aspiration hazard - Category 1
Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H301	Toxic if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H330	Fatal if inhaled

H336	May cause drowsiness or dizziness
H370	Causes damage to organs
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
Skin Irrit. 2	Irritation, Category 2
STOT SE 1	STOT-single exposure - Category 1
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)