

CALSULLENCE 352 FM

Revision date 28-Mar-2019

Supersedes date 15-Feb-2019

Version 3.01

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

1.1. Product identifier

Product name CALSULLENCE 352 FM

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

Recommended use Lubricating grease only for industrial use.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Axel France SAS
30 Rue de Pied de Fond
Z.I. St Liguair
CS 98821
79028 Niort Cedex
France
Telephone: +33 549 77 13 71

For further information, please contact

securite.produits@axelch.com

1.4. Emergency telephone number

Emergency telephone

Emergency telephone - §45 - (EC)1272/2008	
Europe	112
France	ORFILA : + 33 (0) 1 45 42 59 59

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Symbols/Pictograms None

Signal word None

EU Specific Hazard Statements

EUH210 - Safety data sheet available on request

2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Chemical name	EC No	CAS No	weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Calcium dodecylbenzenesulphonate	247-557-8	26264-06-2	<2.5	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)	01-2119560592-37
Oleoyl N-methylglycine	203-749-3	110-25-8	<1	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Acute Tox. 4 (H332) Aquatic Acute 1 (H400)	no data available

Ingredient comments

This product is a calcium sulfonate complex grease based on white mineral oil. The mineral oils in the product contain <3% DMSO-extract (IP 346).

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapors.
Skin contact	Wash with soap and water.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion	Do not induce vomiting without medical advice. Consult a physician if necessary.

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

Symptoms None known.

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

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use CO2, dry chemical, or foam.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Not flammable. Fire may produce irritating and/or toxic gases.

5.3. Advice for firefighters

In the event of fire and/or explosion do not breathe fumes.

Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Extremely slippery when spilled. Use personal protection recommended in Section 8.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up**Methods for cleaning up**

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

6.4. Reference to other sections**Other information**

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling****Advice on safe handling**

Extremely slippery when spilled.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin.

7.2. Conditions for safe storage, including any incompatibilities**Storage conditions**

Keep containers tightly closed in a cool, well-ventilated place. Keep at a temperature not exceeding 45°C. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)**Risk management methods**

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Chemical name	European Union	United Kingdom	France	Spain	Germany
Oleoyl N-methylglycine 110-25-8	-	-	-	-	TWA: 0.1 mg/m ³ Ceiling / Peak: 0.2 mg/m ³

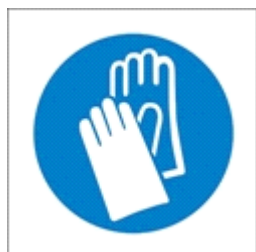
Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls None under normal processing.

Personal protective equipment



Hand protection

Wear protective nitrile rubber gloves. Thickness ≥ 0.38 mm - breakthrough time >480 minutes. Thickness 0.1 mm - splash protection. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Conform EN 374-2 and EN 347-3.

Eye/face Protection

Avoid contact with eyes.

Body protection

Suitable protective clothing.

Respiratory protection

None under normal processing. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Prevent product from entering drains.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Semi-solid
Appearance	Smooth
Color	beige
Odor threshold	No information available
Explosive properties	No information available
Oxidizing properties	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No information available
Melting point/freezing point		No information available
Boiling point/boiling range		Not applicable
Flash point	> 150 °C / > 302 °F	Based on base oils
Evaporation rate		Not applicable
Flammability (solid, gas)		No information available
Flammability limits in air		No information available
Vapor pressure		Not applicable
Vapor Density		Not applicable
Specific gravity		No information available
Solubility(ies)		No information available

Partition coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	
Dynamic viscosity	No information available

9.2. Other information

Density < 1000 kg/m³ @ 25 °C / 77 °F

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	Not hazardous based on component data.
Skin corrosion/irritation	Not hazardous based on component data.
Serious eye damage/eye irritation	Not expected to cause eye irritation. Data obtained on this product or a similar product.
Sensitization	Not hazardous based on component data.
Germ cell mutagenicity	Not hazardous based on component data.
Carcinogenicity	Not hazardous based on component data.
Reproductive toxicity	Not hazardous based on component data.
STOT-single exposure	Not hazardous based on component data.
STOT-repeated exposure	Not hazardous based on component data.
Aspiration hazard	Not hazardous based on component data.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 5539 mg/kg
 Dermal LD50 2496 mg/kg

Chemical name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Calcium dodecylbenzenesulphonate	4445 mg/kg (Rat)		

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.
Eye contact Not expected to cause eye irritation.
Skin contact Prolonged contact may cause redness and irritation.
Ingestion Malaise (vague feeling of discomfort).

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

Chemical name	Algae/aquatic plants	Fish	Toxicity to daphnia and other aquatic invertebrates
Calcium dodecylbenzenesulphonate		10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

Material does not bioaccumulate.

12.4. Mobility in soil

Mobility in soil
 After release, adsorbs onto soil.

Mobility
 Insoluble in water.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused Disposal should be in accordance with applicable regional, national and local laws and

products	regulations
Contaminated packaging	Dispose of in accordance with federal, state and local regulations.
Waste codes / waste designations according to LoW / AVV	13 08 99*

Section 14: TRANSPORT INFORMATION

Not regulated according to ADR/RID, IMDG, IATA.

14.1. UN number

Not regulated

14.2. UN proper shipping name

Not regulated

14.3. Transport hazard class(es)

Not regulated

14.4. Packing group

Not regulated

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

None

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

Section 15: REGULATORY INFORMATION

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

Water hazard class (WGK) Slightly hazardous to water (WGK 1)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies
NZIoC	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION**Full text of H-Statements referred to under section 3**

H315 - Causes skin irritation
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H400 - Very toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects

Key or legend to abbreviations and acronyms used in the safety data sheet

EC European Commission
CLP Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
GHS Globally Harmonised System of Classification and Labelling of Chemicals
EEC European Economic Community
EUH statement = CLP-specific Hazard statement
CAS Chemical Abstracts Service
REACH Registration, Evaluation and Authorization of CHemicals
LD50 Median Lethal Dose for 50% of subjects
WGK Wassergefährdungsklasse
ADR Accord européen relatif au transport international de marchandises Dangereuses par Route
RID Règlement concernant le transport international ferroviaire des marchandises dangereuses
IMDG International Maritime Dangerous Goods Code
IATA International Air Transport Association

Revision date 28-Mar-2019

Revision note SDS sections updated, 3, 11.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet