

SAFETY DATA SHEET

according to Regulation No. 1907/2006 (REACH) and
Commission Regulation (EU) 2020/878

BL F 60

Version:
Issue date:

1.0
2021-07-26

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

1.1 Product identifier

Chemical name/ trade name: **BL F 60**
EC No: 918-481-9
Registration number: 01-2119457273-39-0000

Producer: **OMA CZ, a.s.**
Address: **Stráž pod Ralskem, 47127, Borová 103**

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

Intended use: Cleaner.

Uses advised against: The use should be limited to those listed above.

1.3 Details of the supplier of the safety data sheet

Supplier of SDS: OMA CZ, a.s.
Address: Stráž pod Ralskem, 47127, Borová 103
Identification No.: 25406761
Tel: +420 487 851 016
www: www.omacz.cz
Responsible person for this SDS: Consulteco s.r.o., Tábořská 922, 29301 Mladá Boleslav, info@consulteco.cz

1.4 Emergency telephone number

Toxicological Information Centre: City Hospital, Dudley Rd, Birmingham, United Kingdom, Tel.: +44 121 507 4123, 844 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to the EC Regulation No. 1272/2008 (CLP):

Aspiration hazard, category 1, H304 May be fatal if swallowed and enters airways.
EUH066 Repeated exposure may cause skin dryness or cracking.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]:
Hazard pictogram(s):



Signal word(s): **DANGER**

Contain: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Hazard statement(s): H304 May be fatal if swallowed and enters airways.

Precautionary statement(s): P301/310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container as hazardous waste.

Supplemental information: EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

This product does not contain SVHC.
Based on the results of the assessment, this substance is not PBT or vPvB
This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

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SECTION 3: Composition/information on ingredients

3.1 Substances

A complex and variable mixture of paraffinic and cyclic hydrocarbons having carbon numbers predominantly in the range of C10 through C13 and boiling in the range of approximately 160 ° C to 245 ° C.

Name of the component	Content (weight %)	CAS EINECS Index N° Reg. Number	Classification according to Regulation (EC) No 1278/2008 (CLP)	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	100	- 918-481-9 - 01-2119457273-39-0000	Asp. Tox. 1	H304 EUH066
Total aromatic content: <0.03%				

For full text of H-statements see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

If while you are working with the product appear symptoms that need to be solved in collaboration with the doctor, tell him about the product name and its supplier or give him MSDS or the product label on the packaging. Do not smoke, eat or drink while working with the product. Observe the principles of personal hygiene. Remove contaminated clothing and protective equipment. Wash it before using it again.

Inhalation:

Move affected person to fresh air, keep him calm, prevent hypothermia.

Skin contact:

Take off all contaminated clothing. Wash thoroughly with soap and water and treat with a suitable cream. In case of inadequate washing, further irritation may occur.

Eye contact:

Immediately rinse eyes with running water, open eyelids. If the contact lenses are used, remove them carefully and continue to rinse, the affected eye wide open from the inner corner to the outer, so that the second eye is not affected and also under the lids for at least 15 minutes. If symptoms persist, seek medical advice.

Ingestion:

Rinse mouth with water, do not induce vomiting. May be fatal if swallowed and enters airways. Do not give anything by mouth to an unconscious person; Place the person in a stabilized position and seek immediate medical attention.

Protection of first aiders:

Pay attention to personal safety during rescue work.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact may cause irritation. Prolonged or repeated contact may dry out the skin and cause irritation. Redness. Inhalation of respiratory mucous membranes may occur when inhaling vapours and aerosols, eye irritation. Strong concentrated vapours have a narcotic effect on the central nervous system when inhaled. If accidentally swallowed, it may enter the lungs and, due to its low viscosity, lead to severe, rapidly developing lung damage (medical examination within 48 hours).

Ingestion may cause stomach irritation, nausea, vomiting and diarrhoea. Abdominal pains. It can cause reduced activity of the central nervous system.

4.3 Indication of any immediate medical attention and special treatment needed

In general, it is recommended to seek immediate medical attention in case of eye contact and ingestion.

SECTION 5: Firefighting measures

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5.1 Extinguishing media

Suitable extinguishing media: Powder, foam, CO₂.
Unsuitable extinguishing media: Strong water jet.

5.2 Special hazards arising from the substance or mixture

Combustion products and hazardous gases: smoke, carbon monoxide, carbon dioxide. Remove closed containers, if possible, near fire and cool with water spray. Imperfect combustion and thermolysis can produce gases of various toxicities, such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and carbon black. These can be very dangerous if inhaled or in high concentrations. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along ground to possible sources of ignition

5.3 Advice for firefighters

Rescue teams exposed to smoke or gases must be equipped with means for eye and respiratory protection, protective clothing. In confined spaces it is necessary to use a breathing apparatus. Containers exposed to fire cool with water mist. Do not spray water directly into the container to prevent excessive foaming. Collect extinguishing water separately, and avoid its penetration into the soil and water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Prevent contamination of clothing and footwear by product and contact with skin and eyes. Wear suitable protective clothing, replace contaminated clothing. Ensure ventilation of the affected area. All persons not participating in rescue work should be taken to a safe distance. Eliminate all sources of ignition (flares, sparks or open flame in the immediate vicinity, no smoking). Do not touch or walk through the spilled product.

6.2 Environmental precautions

Avoid leakage into the environment, soil, avoid ingress into surface water and sewers. In case of leakage, inform the water / sewer manager and the relevant authorities immediately.

6.3 Methods and material for containment and cleaning up

In case of leakage, locate and, if possible, drain or mechanically remove product, withdraw from the surface of the water. Allow residuals or smaller amounts to be absorbed in a suitable sorbent (kieselguhr, sand, inflammable sorbent) and placed it in suitable and labelled containers and handed over to recycling / disposal of in accordance with applicable regulations. Use non-sparking hand tools and non-explosive electrical equipment. After removing the product, rinse the area with water.

6.4 Reference to other sections

See section 7, 8 a 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use appropriate PPE. Use only in well-ventilated areas with fresh air supply. Do not eat, drink, smoke. Wash your hands after work. Do not use abrasives, solvents or fuels. Do not breathe fumes and mist. Observe legal regulations on occupational safety and health. All fire precautions must be observed during handling. Provide adequate ventilation. Regular cleaning of equipment, work surface and clothing is recommended. Do not spray under high pressure (> 3 bar).

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To prevent ignition of vapours by electrostatic charges, all metal parts of the appliance must be earthed. Make sure that the product is not sprayed during loading and that the product flows slowly, especially at the beginning of the operation. Use away from sources of ignition (open flames and sparks) and heat (hot pipes and cabinets). Do not smoke. Use non-sparking power tools. Take precautionary measures against static discharges. Do not use compressed air when filling, emptying or handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in a vertical position to prevent leakage. Store in original packaging, in dry, well-ventilated, cool place. Do not store together with strong oxidising agents and strong acids. Do not store together with food, beverage and medicines. The warehouse should be designed with sufficient retention tank capacity to prevent soil or water contamination in the event of leaks. Use non-sparking power tools. Store indoors. Keep away from open flames, hot surfaces and sources of ignition. Ground containers, tanks and transfer equipment. Store at room temperature. Recommended materials: for packaging steel, stainless steel; Insulation / packaging lining: use mild steel, stainless steel.

7.3 Specific end use(s)

see section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits:

According to national legislation of target country.

Substance	CAS	Permissible exposure limits (mg/m ³)	Maximum permissible concentration (mg/m ³)	Note
No data available.				

Substances with Community Exposure Limits:

Union occupational exposure limit values in accordance with Directive 2000/39/EC (as amended).

Substance	CAS	Limit values		Note
		OEL (mg/m ³)	STEL (mg/m ³)	
No data available.				

According to our experience and the information provided to us, the product has no harmful effects if used and handled in the prescribed manner.

DNELs and PNECs values for the other components of the mixture haven't been determined.

8.2 Exposure controls

Technical measures:

Technical measures and appropriate work procedures take precedence over personal protective equipment. Observe the usual hygiene principles. Do not eat, drink, smoke. Before breaks and after work wash your hands with warm water and soap.

Individual protection measures

Respiratory protection:

If the exposure limits are exceeded, for mist / dust / vapour / aerosol formation use mask with A/P filter according to EN 14387.

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Hand protection:	Protective gloves resistant to chemicals according to EN 374. Protective gloves should in any case be tested for the specific suitability of their use at the workplace (e.g.. their mechanical resistance, product compatibility and antistatic properties). Observe the manufacturer's exact instructions, including the time of use. Replace damaged gloves. Repeated or prolonged contact: nitrile rubber, material thickness > 0.3 mm, penetration time > 480 min .; PVA, Viton, Fluorinated rubber, thickness material all, penetration time > 480 min. Danger of splashing or short-term contact: Neoprene, Chloroprene, material thickness > 0.7 mm, penetration time > 60 min .; nitrile rubber, thickness material > 0.3 mm, penetration time > 60 min.
Eye / face protection:	If there is a risk of splashing, wear safety glasses with side shields or face shield according to EN 166.
Skin protection:	Working clothes (EN 340) and footwear (EN 347).
Thermal hazards:	No data available.
Environmental exposure controls:	Avoid unnecessary releases into the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Petroleum solvent
Odour threshold:	No data available.
pH :	No data available.
Melting point / freezing point (°C):	No data available.
Boiling point or initial boiling point and boiling range (°C):	175 - 235
Flash point (°C):	> 63
Evaporation rate:	191 EtEt=1 DIN 53170
Flammability (gases, liquids and solids):	No data available.
Lower and upper explosion limit:	0,6% obj. / 7,0% obj.
Vapour pressure (20 °C):	No data available.
Vapour pressure (50 °C):	No data available.
Relative vapour density:	No data available.
Density and/or relative density (g/cm ³ , 20 °C):	0.8
Solubility (20 °C):	Soluble in a number of common solvents
Partition coefficient n-octanol/water (log value):	No data available. > 230 (This temperature may be significantly lower under certain conditions (slow oxidation on finely divided materials...))
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Kinematic viscosity:	< 20,5mm ² /s (40°C)
Refractive index (20 °C):	No data available.
Oxidising properties:	This product is not considered to be oxidizing based on its chemical structure.
Explosive properties:	Based on consideration of chemical structure and oxygen balance, it is not considered explosive.

9.2 Other information

VOC (%):	No data available.
Dry matter content:	No data available.
Additional information:	Surface tension: 0.0249 N / m (25°C)

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9.2.1 Information with regard to physical hazard classes

The product has no physical hazards.

9.2.2 Other safety characteristics:

mechanical sensitivity: No data available.
self-accelerating polymerisation: No data available.
temperature: No data available.
formation of explosible dust/air mixtures: No data available.

acid/alkaline reserve: No data available.
evaporation rate: No data available.
miscibility: No data available.
conductivity: No data available.
corrosiveness: No data available.
gas group: No data available.
redox potential: No data available.
radical formation potential: No data available.
photocatalytic properties: No data available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity** The product is stable at the specified conditions of storage, handling and use.
- 10.2 Chemical stability** Stable up to melting point.
- 10.3 Possibility of hazardous reactions** Dangerous reactions are not known when used correctly.
- 10.4 Conditions to avoid** Heat, flames and sparks. Take precautionary measures against static discharges.
- 10.5 Incompatible materials** Strong oxidizing agents, strong acids.
- 10.6 Hazardous decomposition products** Imperfect combustion and thermolysis can produce gases of various toxicities, such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and carbon black.

SECTION 11: Toxicological information

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

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (EINECS: 918-481-9)

Acute toxicity:

Test type	Results	Exposure	Tested organisms
OECD 401, key study	> 5 000 mg/kg bw, LD50	oral: gavage	rat
OECD 402, key study	> 5 000 mg/kg bw, LD50	dermal	rabbit
OECD 403, key study	> 4 951 mg/m ³ air, LC50 /4 h	inhalation: vapour	rat

Serious eye damage / irritation:

Test type	Results	Exposure	Tested organisms
OECD 405, key study	not irritating	Eye	rabbit

Skin corrosion / irritation:

Test type	Results	Exposure	Tested organisms
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OECD 404, key study	Category 2	Skin	rabbit
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Respiratory or skin sensitisation:

Test type	Results	Exposure	Tested organisms
OECD 406, key study	Not sensitising	Skin	guinea pig

STOT - single exposure:

Test type	Results	Exposure	Tested organisms
	No data available.		

STOT - repeated exposure:

Test type	Results	Exposure	Tested organisms
OECD 408, key study	>= 5 000 mg/kg bw/day, NOAEL	oral	rat
OECD 413, key study	> 10 400 mg/m ³ air, NOAEC	inhalation	rat

Carcinogenicity:

Test type	Results	Exposure	Tested organisms
OECD 453, key study	>= 2 200 mg/m ³ air, NOAEC - male 1 100 mg/m ³ air, NOAEC - female	inhalation: vapour	rat

Germ cell mutagenicity:

Test type	Results	Exposure	Tested organisms
OECD 474, key study	negative	oral: gavage	mouse
OECD 478, key study	negative	inhalation: vapour	rat

Reproductive toxicity:

Test type	Results	Exposure	Tested organisms
key study	>= 400 ppm, NOAEC	inhalation: vapour	rat

Aspiration hazard:

Test type	Results	Exposure	Tested organisms
May be fatal if swallowed and enters airways.			

11.2 Information on other hazards Endocrine disrupting properties

This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.

Other information:

Frequent or prolonged contact with the skin will destroy the fat layer of the skin and dermatosis may occur.

SECTION 12: Ecological information

12.1 Toxicity

The product does not meet the criteria for classification.

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (EINECS: 918-481-9)

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Toxicity	Tested organisms	Results	Test type
Acute toxicity to fish	<i>Oncorhynchus mykiss</i>	> 1 000 mg/L, LL50 / 96 h	OECD 203
Acute toxicity to invertebrates	<i>Daphnia magna</i>	> 1 000 mg/L, EL50 / 48 h	OECD 202
Acute toxicity to aquatic algae	<i>Pseudokirchneriella subcapitata</i>	> 1 000 mg/L, EL50 / 72 h 1 000 mg/L, NOELR / 72 h	OECD 201

- 12.2 Persistence and degradability** The substance is readily biodegradable (80% in 28 days).
- 12.3 Bioaccumulative potential** The measurement of experimental data for UVCB substances is irrelevant, as each of the components is likely to behave differently.
- 12.4 Mobility in soil** Due to its physical and chemical properties, the product does not spread through soil. The product evaporates quickly. The product is insoluble and floats on the surface of the water.
- 12.5 Results of PBT and vPvB assessment** Based on the results of the assessment, this substance is not PBT or vPvB
- 12.6 Endocrine disrupting properties** This product does not contain endocrine disruptors in a concentration of 0.1% by weight or higher.
- 12.7 Other adverse effects** No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Catalogue No. of mixture waste: 14 06 03 other solvents and solvent mixtures
16 03 05 organic wastes containing dangerous substances
- Waste codes / waste designations according to LoW: 15 01 10 packaging containing residues of or contaminated by dangerous substances
- Recommended procedure for mixture waste disposal: Remains of the mixture to be collected in labelled containers and handed over to a person authorized to handle hazardous waste. Suitable method of disposal: incineration in hazardous waste incineration plant. If possible, regenerate the product.
- Recommended procedure for packaging disposal: Empty containers must be disposed of in accordance with valid waste legislation. After perfect cleaning, the packaging can be used as a secondary raw material for the same purpose. Recommended way of disposing of is recycling, burning in a hazardous waste incinerator or storing hazardous waste.
- Physical / chemical properties that may affect waste treatment method: Empty containers may contain flammable or explosive vapours.
- Sewage disposal-relevant information: Protect against weathering. Prevent leakage of waste into the water / soil / sewage system. In case of leakage, inform the competent authorities.
- Other disposal recommendations: Dispose of waste according to applicable legislation.

SECTION 14: Transport information

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	Type of transport	Land transport ADR/RID	Inland waterway ADN	Sea transport IMDG	Air Transport ICAO / IATA
14.1	UN number or ID number	There is no dangerous good in terms of transport.	9003	There is no dangerous good in terms of transport.	There is no dangerous good in terms of transport.
14.2	UN proper shipping name	-	SUBSTANCES WITH A FLASH POINT OF MORE THAN 60 ° C AND LOWER THAN 100 ° C	-	-
14.3	Transport hazard class(es)	-	9	-	-
	Classification code	-	-	-	-
	EmS	-	-	-	-
	Packaging instructions	-	-	-	-
	Labels	-	-	-	-
14.4	Packing group	-	-	-	-

14.5 Environmental hazards No data available.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not specified.

Other information

Type of transport	Land transport ADR/RID	Sea transport IMDG	Air Transport ICAO / IATA
Limited quantities:	-	-	-
Excepted quantities:	-	-	-
Transport category:	-	-	-
Tunnel restriction code:	-	-	-
Segregation group:	-	-	-

SECTION 15: Regulatory information

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

Regulation (EC) No. 1272/2008 (CLP) on classification, labelling and packaging of substances and mixtures,...
Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),...
Applicable national regulations.

15.2 Chemical safety assessment

A chemical safety assessment has been carried out for this substance.

SECTION 16: Other information

Complete text of all classifications and hazard classes referred to in SECTION 3

Hazard class:

Asp. Tox. 1 - Aspiration hazard, category 1

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H-statements:

H304 May be fatal if swallowed and enters airways.

Abbreviations:

ADN	Inland waterways
ADR	Accord Dangereuses Route
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effect level for 50%
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration for 50%
LD50	Lethal dose for 50%
LL50	Lethal load for 50%
NOAEC	No observable adverse effect concentration
NOAEL	No observable adverse effect level
NOEL	No observable effect level
NPK-P	Maximum permissible concentration
OEL	Occupational Exposure Limit (workplace exposure limit - 8 hours / shift)
PBT	Persistent, bioaccumulative and toxic
PEL	Permissible exposure limits
PNEC	Predicted no-effect concentration
RID	Regulations for the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limits
STEL	Short Term Exposure Limit (short exposure - corresponds to approx. 15 min.)
VOC	Volatile organic substances
vPvB	Very persistent and very bioaccumulative

Indication of changes: first edition of the MSDS, is in accordance with Regulations (EC) No. 1907/2006 (REACH) and No. 1272/2008 (CLP).

Key literature references and sources for data: information from the producer, database CASEC.

Classification was performed by calculation method.

Instructions for training:

Workers who come into contact with hazardous substances/mixtures must be in the necessary extent informed about the effects of these substances/mixtures, about the ways how to deal with them.

Workers must be in the necessary extent informed with protective measures, the principles of first aid, with the necessary sanitation practices and procedures for liquidation of failures and accidents.

A person dealing with this chemical product must be familiar with the safety rules and the data given in the MSDS.

If the hazardous chemical substance / mixture is classified as corrosive or toxic, workers must be familiar with the rules for handling with corrosive / toxic chemical substance/mixture.

Persons transporting hazardous substances must be familiar with the guidelines for emergency response in accordance with the regulations of ADR / RID.

Other information:

The above information describes the conditions for safe handling and corresponds with current knowledge of the manufacturer.

The manufacturer bears responsibility for the above described properties of the product when used according to specifications.

The user is responsible for determining suitability of product for specific purposes and adapt security measures if such application is contrary to the manufacturer's recommendations.