ProductGloss BlackRevision date04 March 2021

Revision 1



Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

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

1.1 Product identifier

Product name Gloss Black

Other means of identification F37X-2EC3-G20E-WEM0

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

Identified usesPaint or paint related material.Uses advised againstNo uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier FSW Coatings Ltd.

Virginia Co Cavan Ireland

Tel: 353 49854 7209

Contact person info@fsw.ie

1.4 Emergency telephone number

Emergency telephone

National emergency telephone

number

+ 353 49854 7209 (Between 0900 and 1700 hrs Monday-Friday)

Outside those hours, contact National Poisons Information Centre, Beaumont Hospital. Members of Public: +353 (1) 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Healthcare

Professionals: +353 (1) 809 2566 (24 hour service)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards Flam. Liq 3- H226 Human health Eye Irrit.2A - H319 Environment Aquatic Chronic 3 - H412

2.2 Label elements

Contains Butanone oxime

Label in accordance with (EC) no. 1272/2008



Signal word Warning

Hazard statements H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements Prevention

P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.

P233 Keep container tightly closed.

P280 Wear protective gloves/ protective clothing/eye protection/face protection.

Response

P370 + P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/ container to a licensed hazardous waste disposal facility in accordance with all applicable regulations.

EUH statements

EUH208 Contains butanone oxime. May produce an allergic reaction.

2.3 Other hazards

None known.

Section 3: Composition/information on ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	Regulation (EC) No 1272/2008	%
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS-No.: EC No.: 919-857-5 REACH Reg No.: 01-2119463258-33-XXXX	Asp. Tox - H304, Flam. Liq 3- H226, STOT SE 3 - H336	10-20%
Hydrocarbons, C9-C12, n-Alkanes, Isoalkanes, Cyclics, Aromatics (5-25%) / Naphtha (petroleum), hydrodesulfurized heavy (benzene< 0,1 %)	CAS-No.: 64742-82-1 EC No.: 919-446-0 REACH Reg No.: 01-2119458049-33	STOT SE 3 - H336, Asp. Tox - H304, Flam. Liq 3- H226, Aquatic Chronic 2 - H411	1-5%
1-methoxy-2-propanol monopropylene glycol methyl ether	CAS-No.: 107-98-2 EC No.: 203-539-1	Flam. Liq 3- H226, STOT SE 3 - H336	1-5%
Butanone oxime	CAS-No.: 96-29-7 EC No.: 202-496-6	Acute Tox 4 - H312, Skin. Sens 1 - H317, Eye Dam. 1 - H318, Carc. 2 - H351	0.1-0.9%
Isopropoxyethanol	CAS-No.: 109-59-1 EC No.: 203-685-6 REACH Reg No.: 1-2119494720-35-xxxx	Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Irrit.2 - H315, Eye Irrit.2A - H319, Flam. Liq 3- H226	0.1-0.9%
Ethanol	CAS-No.: 64-17-5 EC No.: 200-578-6 REACH Reg No.: 01-2119457610-43	Eye Irrit.2A - H319, Flam. Liq 2- H225	<0.1%
Naphthalene	CAS-No.: 91-20-3 EC No.: 202-049-5 REACH Reg No.: 01-2119561346-37-XXXX	Acute Tox 4 - H302, Carc. 2 - H351, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<0.1%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives. Ethanol: Specific Concentration Limits - Eye Irrit. 2; H319: >= 50.

Butanone oxime: Acute Toxicity Estimates (ATE)- dermal: ATE = 1100 mg/kg (-) oral: ATE = 100 mg/kg (-).

5. 5

Section 4: First aid measures

4.1 Description of first aid measures

General information

Inhalation

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue. If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. If breathing is difficult, give oxygen. If breathing has stopped or the exposed person experiences difficulty in breathing, administer artificial respiration and seek immediate medical assistance.

Ingestion Rinse mouth thoroughly. Provide fresh air, warmth and rest. Do not induce vomiting. Never

give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. Seek medical advice (show the label where possible). If vomiting occurs, the

head should be kept low so that stomach content doesn't enter the lungs.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash

the skin immediately with soap and water. Get medical attention if any discomfort continues

after rinsing.

Eye contact Do not rub eye. Avoid contaminating unaffected eye. Remove contact lenses if present and

easy to do so. Promptly wash eye(s) with plenty of water while lifting the eye lids. Rinse with

a gentle stream water for at least 15 minutes. Get prompt medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation Exposure to product spray mists may be irritating to the respiratory system. Inhalation of

vapours may cause headache, fatigue, dizziness and central nervous system effects.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin

reaction.

Eye contact Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media Use fire-extinguishing media appropriate for surrounding materials. Extinguish with foam,

carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet to extinguish fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products Combustion may lead to the release of harmful vapours, including but not limited to oxides of

carbon

Unusual fire & explosion hazards The product is classified as a flammable liquid and vapour. Vapours are heavier than air and

may spread near ground to sources of ignition. Do not allow to enter drains, sewers, basements and workpits, or any place where its accumulation can be dangerous.

Specific hazards Vapours may be ignited by a spark, a hot surface or an ember. Flash back possible over

considerable distance.

5.3 Advice for firefighters

Special fire fighting procedures Ventilate closed spaces before entering them. Water spray should be used to cool containers.

If possible, fight fire from protected position. Keep up-wind to avoid fumes.

Protective equipment for firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing

apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard

EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection.

Wear protective clothing as described in Section 8 of this safety data sheet. If necessary evacuate surrounding areas. Eliminate all sources of ignition. Avoid inhalation of vapours

and contact with skin and eyes.

Use non-sparking hand tools and explosion proof electrical equipment. Do not touch or walk through spilled material. Read and follow manufacturer's recommendations. Do not smoke,

eat or drink while using this product.

For emergency responders Follow safe handling advice and personal protective equipment recommendations for normal

use of product.

6.2 Environmental precautions

Prevent any material from entering drains or waterways. Spillages or uncontrolled **Environmental precautions**

discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency

or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Spill clean up methods Prevent further leakage or spillage if safe to do so. Ventilate and evacuate the area.

> Eliminate all sources of ignition. Wear necessary protective equipment. Dam and absorb spillage using a spill kit, sand, earth or other non-combustible material. Prevent entry to into sewers, water course, basement or confined areas. Use non sparking tools or equipment. Recover by pumping or with suitable absorbent. Place spilled material into suitable labelled

sealed containers. Remove waste promptly to a safe area.

6.4 Reference to other sections

Reference to other sections See section 1 for emergency contact. For personal protection, see section 8. For waste

disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling Use only with adequate ventilation. Wear appropriate respirator when ventilation is

inadequate. Wear suitable personal protective equipment, as detailed in Section 8. Keep away from heat, sparks and open flame. Formation of sparks and static electricity must be prevented. Earth all equipment. Use only non-sparking tools. Avoid contact with skin and eyes. Avoid inhalation of vapours. Do not use contact lenses. Avoid prolonged or repeated contact. Read and follow manufacturer's recommendations. Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a cool, dry and well-ventilated place. Keep

upright, locked up and out of reach of children. Keep away from incompatible materials (see

section 10). Protect against static discharge and keep away from sources of ignition.

Flammable liquid storage.

7.3 Specific end use(s)

Storage class

Specific end use(s) The identified uses for this product are detailed in Section 1.2. Usage description

Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
1-methoxy-2-propanol monopropylene glycol methyl ether	OEL	100 ppm	375 mg/m ³	150 ppm	568 mg/m ³	IOELV
Butanone oxime	OEL	3 ppm	10 mg/m ³	10 ppm	33 mg/m ³	Sens.
Isopropoxyethanol	OEL	25 ppm	106 mg/m ³			Sk
Ethanol	OEL			1000 ppm		
Naphthalene	OEL	10 ppm	50 mg/m ³			IOELV

Ingredient comments

Ireland, Occupational Exposure Limits 2020.

8.2 Exposure Controls

Protective equipment



Respiratory equipment

Engineering measures Provide adequate ventilation, including appropriate local extraction, to ensure that the

defined occupational exposure limit is not exceeded. Where necessary use lighting and electrical equipment designed for use in atmospheres where flammable vapours are present. Where risk assessment shows air-purifying respirators are appropriate a full face respirator

conforming to EN 143 should be used, and suitable respirator cartridges as a backup to engineering controls. The specific respirator selected must be based on contamination levels found in the work place. Use respiratory protection as specified by qualified professional if concentrations exceed the limits listed in Section 8. Use respiratory protective components with combined A/B/E/KP filter(s) for organic/inorganic/acid/ammonia and particulates.

Consult manufacturer for specific advice.

Hand protection Where hand contact with the product may occur the use of gloves approved to relevant

standards (e.g. Europe: EN374) is recommended. Use chemical resistant gloves to minimize skin contact. Gloves must be inspected prior to use. Suggested material: Nitrile rubber.

Break through time: 480 min. Layer thickness: 0.33 mm.

Consult manufacturer for advice. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance

with applicable laws and good laboratory practices.

Eye protection Wear safety goggles to prevent any possibility of eye contact. Use equipment for eye

protection tested and approved under appropriate government standards such as ${\tt EN}$

166(EU).

Other protection Protective clothing should be selected based on the task being performed and the risks

involved and should be approved by a specialist before handling this product. The selected

clothing must satisfy the European norm standard EN 943.

Hygiene measures Observe normal hygiene standards. DO NOT SMOKE! Wash hands after use. Wash promptly

if skin becomes contaminated. When using do not eat, drink or smoke.

Process conditions Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

AppearanceViscous liquid.ColourBlack

Odour Hydrocarbon, (slight).

Odour threshold - lower No information available as testing has not been completed.

Odour threshold - upper No information available as testing has not been completed.

pH-Value, Conc. Solution Not applicable.

pH-Value, Diluted solution Not applicable.

Melting point May start to solidify at the following temperature: -15°C This is based on data for the

following ingredient: Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2%

aromatics. Weighted average: -58.56°C

Initial boiling point and boiling

range

>142°C

Flash point Closed cup 42°C

Evaporation rate Highest known value: 0.04 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2%

aromatics) Weighted average: 0.03compared with butyl acetate

Flammability state Liquid

Flammability limit - lower(%) Greatest known range: Lower: 0.6% (Hydrocarbons, C10-C13, nalkanes, isoalkanes, cyclics, <

2% aromatics)

Flammability limit - upper(%) Greatest known range: Upper: 7% (Hydrocarbons, C10-C13, nalkanes, isoalkanes, cyclics, <

2% aromatics)

Vapour pressure Highest known value: 0.1 to 0.3 kPa (0.8 to 2.3 mm Hg) (at 20°C) (Naphtha(petroleum),

hydrotreated heavy). Weighted average: 0.16 kPa (1.2 mm Hg) (at 20°C)

Vapour density (air=1) Highest known value: 4.5 (Air = 1) (Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <

2% aromatics).

Relative density 0.96 + /- 0.2

Bulk density No information available as testing has not been completed.

Solubility Insoluble in cold water

Decomposition temperature Stable under normal handling and storage conditions

Partition coefficient; n-

Octanol/Water

No information available as testing has not been completed.

Auto ignition temperature (°C) Lowest known value: >230°C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2%

aromatics).

Viscosity Kinematic (40°C): >0.21 cm²/s

Explosive properties Not classified as explosive.

Oxidising properties The product does not meet the criteria to be classified as oxidising.

9.2 Other information

Molecular weight No information available.

Volatile organic compound 252.00 g/litre

Other information Volume solids: 71. +/- 1.0%

Weight Solids: 73.0% +/- 1.0%

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity Stable under recommended transport and storage conditions and under recommended use.

10.2 Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Hazardous reactions Avoid contact with oxidising agents, strong alkalis, and strong acids.

Hazardous polymerisation No information available.

Polymerisation description Unknown.

10.4 Conditions to Avoid

Conditions to avoid Heat, sparks, open flames, temperature extremes and direct sunlight.

10.5 Incompatible materials

Materials to avoid Avoid contact with oxidising agents, strong alkalis, and strong acids.

10.6 Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other harmful gases

or vapors.

Section 11: Toxicological information

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

Toxicological information No toxicological information for the overall finished product.

Acute toxicity (Oral LD50)

Acute toxicity (Dermal LD50)

Acute toxicity (Inhalation LD50)

No information available as testing has not been completed.

No information available as testing has not been completed.

No information available as testing has not been completed.

Serious eye damage/irritation Causes serious eye irritation.

Skin corrosion/irritationThe product is not classified as a skin corrosion/irritation hazard.

Respiratory sensitisationThe product is not classified as a respiratory hazard. **Skin sensitisation**The product is not classified as a skin sensitisation hazard.

Germ cell mutagenicity The product is not classified as a mutagen.

Carcinogenicity The product is not classified as a carcinogen hazard.

Specific target organ toxicity - Single exposure:

STOT - Single exposureThe product is not classified as a single exposure specific target organ toxin.

Specific target organ toxicity - Repeated exposure:

STOT - Repeated exposureThe product is not classified as a repeat exposure specific target organ toxin.

Inhalation Exposure to product spray mists may be irritating to the respiratory system. Inhalation of

vapours may cause headache, fatigue, dizziness and central nervous system effects.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin

reaction.

Eye contact Causes serious eye irritation.

Waste management Contaminated packaging should be disposed of according to local authority guidelines.

Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not burn. When handling waste, consideration should be made to the safety precautions applying to

handling of the product.

Routes of entry Eyes, skin, ingestion or inhalation.

Target organs Eyes, skin, digestive system, respiratory system.

Aspiration hazards: The product is not classified as an aspiration hazard. **Reproductive toxicity:** The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
Isopropoxyethanol	5600.00mg/kg Rat	1440.00mg/kg Rabbit	
Ethanol	7060.00mg/kg Rat		124.70mg/l (vapours) Rat 4 Hours
Naphthalene	>2000.00mg/kg Rat	>2000.00mg/kg Rabbit	
1-methoxy-2-propanol monopropylene glycol methyl ether	=4016.00mg/kg Rat		=6500.00ppmV Rat 4 Hours

11.2 Information on other hazards

Information on other hazards None known.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish
No information available as testing has not been completed.
Acute toxicity - Aquatic invertebrates
No information available as testing has not been completed.
Acute toxicity - Aquatic plants
Acute toxicity - Microorganisms
Chronic toxicity - Fish
No information available as testing has not been completed.
No information available as testing has not been completed.
No information available as testing has not been completed.
No information available as testing has not been completed.

inverteb rates

Chronic toxicity - Aquatic plantsNo information available as testing has not been completed.
No information available as testing has not been completed.

Ecotoxicity

Eco toxilogical information

The product contains a substance which is harmful to aquatic life with long lasting effects.

The product contains a substance which is harmful to aquatic organisms.

12.2 Persistence and degradability

Degradability Biological oxygen demand Chemical oxygen demand

The degradability of the product has not been stated. No information available as testing has not been completed. No information available as testing has not been completed.

12.3 Bioaccumulative potential

Bioaccumulative potential Bioaccumulation factor Partition coefficient; n-

Octanol/Water

No data available on bioaccumulation.

No information available as testing has not been completed. No information available as testing has not been completed.

12.4 Mobility in soil

Mobility Soluble in water.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties

The product does not contain any substances with endocrine disrupting properties at a

concentration above or equal to 0.1%.

12.7 Other adverse effects

Other adverse effects

None known.

Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
Isopropoxyethanol		EC50 48 Hours 3610.00ppm Daphnia magna	
Ethanol	LC50 96 Hours 100.00mg/l Pimephales promelas (Fat-head Minnow)		
Butanone oxime	LC50 48 Hours 560.00mg/l LC50 96 Hours 46.00mg/l Lepomis macrochirus (Bluegill)	LC50 48 Hours 750.00mg/l Daphnia magna	LC50 72 Hours 83.00mg/l
1-methoxy-2-propanol monopropylene glycol methyl ether	LC50 96 Hours =6812.00mg/l Leuciscus idus (Golden Orfe)	LC50 48 Hours =23000.00mg/l Daphnia magna	EC50 =1000.00mg/l Selenastrum Capricornutum

Section 13: Disposal considerations

Waste management

Contaminated packaging should be disposed of according to local authority guidelines. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not burn. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

Disposal methods

Dispose of waste and residues in accordance with local authority requirements. For waste disposal, use a licensed industrial waste disposal agent.

Section 14: Transport information

14.1 UN number or ID number

UN no. (ADR) UN1263 UN no. (IMDG) UN1263 UN no. (IATA) UN1263

14.2 UN proper shipping name

ADR proper shipping name
IMDG proper shipping name
PAINT OF PAINT RELATED MATERIAL
PAINT OF PAINT RELATED MATERIAL
PAINT
PAINT

14.3 Transport hazard class(es)

ADR class 3
IMDG class 3
IATA class 3

Transport labels



14.4 Packing group

ADR/RID/ADN packing group III
IMDG packing group III
IATA packing group III

14.5 Environmental hazards

ADR No IMDG No IATA No

14.6 Special precautions for user

EMS F-E, S-E
Emergency action code A3 A72 A192
Hazard no. (ADR) 30
Tunnel restriction code (D/E)

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

$\underline{15.1\ Safety,\ health\ and\ environmental\ regulations/Legislation\ specific\ for\ the\ substance\ or\ mixture}$

EU legislation 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals

(REACH).

Approved code of practice 2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents)

Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens)

Regulations (2001-2019)

15.2 Chemical safety assessment

Chemical safety assessment No chemical safety assessment has been carried out.

1

Section 16: Other information

General information This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010

Revision comments This is a first issue. **Revision date** 04 March 2021

Revision

Safety data sheet status Approved.

Hazard statements in full

EUH066 Repeated exposure may cause skin dryness or cracking.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H315Causes skin irritation.H318Causes serious eye damage.H312Harmful in contact with skin.H317May cause an allergic skin reaction.H351Suspected of causing cancer .H319Causes serious eye irritation.

H332 Harmful if inhaled. H302 Harmful if swallowed.

H225 Highly flammable liquid and vapour.H335 May cause respiratory irritation.

H360 May damage fertility or the unborn child .

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH208 Contains butanone oxime. May produce an allergic reaction.

H412 Harmful 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 or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.