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Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 11.04.2017 Version number 23 Revision: 11.04.2017

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

· **1.1 Product identifier**

· **Trade name: BODY SHUTZ AEROSOL**
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

· **Application of the substance / the mixture** Anticorrosion additive

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
LKQ Coatings
Newberry House, Michigan Drive
Tongwell, Milton Keynes
MK15 8HQ
T: 01908 611117
E: optimaproducts@lkqcoatings.com

· **Further information obtainable from:** Product safety Department
· **1.4 Emergency telephone number:** Tel: 01908 611117

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**

GHS02

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.

GHS09

Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

GHS07

Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**

GHS02 GHS07 GHS09

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated light
Naphtha (petroleum), hydrotreated light
Acetone
Solvent naphtha (petroleum), light arom.

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· **Hazard statements**
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye 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.
P251 Do not pierce or burn, even after use.
P211 Do not spray on an open flame or other ignition source.
P260 Do not breathe spray.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Additional information:**
Buildup of explosive mixtures possible without sufficient ventilation.
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**
· **Description:** Mixture of substances listed below with additions.

· **Dangerous components:**

EC number: 920-750-0 Reg.nr.: 01-2119473851-33-0001	Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	10-<25%
CAS: 64742-49-0 EINECS: 265-151-9 Reg.nr.: 2119475514-35	Naphtha (petroleum), hydrotreated light Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	10-<25%
CAS: 74-98-6 EINECS: 200-827-9	Propane liquefied Flam. Gas 1, H220; Press. Gas C, H280	10-<25%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	Acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	5-<10%
CAS: 106-97-8 EINECS: 203-448-7	Butane, pure Flam. Gas 1, H220; Press. Gas C, H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	Isobutane Flam. Gas 1, H220; Press. Gas C, H280	5-<10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	1-<3%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **After inhalation:**
Supply fresh air or oxygen; call for doctor.
In case of unconsciousness place patient stably in side position for transportation.

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· ***After skin contact:***
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· ***After eye contact:***
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· ***After swallowing:***
If symptoms persist consult doctor.
Do not induce vomiting; call for medical help immediately.
· ***4.2 Most important symptoms and effects, both acute and delayed*** *No further relevant information available.*
· ***4.3 Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:***
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· ***5.2 Special hazards arising from the substance or mixture***
During heating or in case of fire poisonous gases are produced.
· ***5.3 Advice for firefighters***
· ***Protective equipment:*** *Mount respiratory protective device.*
· ***Additional information*** *Cool endangered receptacles with water spray.*

SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin, eyes and clothes.
· ***6.2 Environmental precautions:***
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· ***6.3 Methods and material for containment and cleaning up:***
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Absorb liquid components with liquid-binding material.
· ***6.4 Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling***
Ensure good ventilation/exhaustion at the workplace.
Use only in well ventilated areas.
· ***Information about fire - and explosion protection:***
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

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· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep container tightly sealed.
· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
CAS: 67-64-1 Acetone	
WEL	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm
CAS: 106-97-8 Butane, pure	
WEL	Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

· **Regulatory information** WEL: EH40/2011

· **DNELs**		
Naphtha (petroleum), hydrotreated light		
Oral	Long-term - systemic effects, general population	699 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	773 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	699 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker	2035 mg/m3 (Worker)
	Long-term - systemic effects, general population	608 mg/m3 (General Population)
CAS: 67-64-1 Acetone		
Dermal	Long-term - systemic effects, worker	186 mg/kg bw/day (Worker)
Inhalative	Acute - Local effects, worker	2420 mg/m3 (Worker)
	Long-term - systemic effects, worker	1210 mg/m3 (Worker)
Solvent naphtha (petroleum), light arom.		
Oral	Long-term - systemic effects, general population	11 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, worker	25 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	11 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, worker	150 mg/m3 (Worker)

· **PNECs**	
CAS: 67-64-1 Acetone	
Aquatic compartment - marine water	1.06 mg/L (not specified)
Aquatic compartment - sediment in freshwater	30.4 mg/kg sed dw (not specified)
Aquatic compartment - sediment in marine water	3.04 mg/kg sed dw (not specified)
Terrestrial compartment - soil	29.5 mg/kg dw (not specified)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing

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Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
· ***Respiratory protection:***
Short term filter device:

Filter AX

· ***Protection of hands:***

Protective gloves

· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Nitrile rubber
Recommended thickness of the material: ≥ 0,12 mm
· ***Penetration time of glove material***
> 480 min.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· ***Eye protection:***
Safety glasses

Tightly sealed goggles

SECTION 9: Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***	
· ***General Information***	
· ***Appearance:***	
Form:	*Aerosol*
Colour:	*Black*
· ***Odour:***	*Characteristic*
· ***Odour threshold:***	*Not determined.*
· ***pH-value:***	*Not determined.*
· ***Change in condition***	
Melting point/freezing point:	*Undetermined.*
Initial boiling point and boiling range:	*-44 °C*
· ***Flash point:***	*<0 °C (DIN 53213)*
· ***Flammability (solid, gas):***	*Not applicable.*
· ***Ignition temperature:***	*> 200 °C*
· ***Decomposition temperature:***	*Not determined.*
· ***Auto-ignition temperature:***	*Product is not selfigniting.*

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· **Explosive properties:**	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
· **Explosion limits:**	
Lower:	0.6 Vol %
Upper:	13.0 Vol %
· **Vapour pressure At 20 °C:**	8300 hPa
· **Density At 20 °C:**	0.82822 g/cm³ (DIN 51757)
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not applicable.
· **Solubility in / Miscibility with water:**	Not miscible or difficult to mix.
· **Partition coefficient: n-octanol/water:**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	67.3 %
Water:	0.1 %
Solids content:	28.1 % (DIN 53216)
· **9.2 Other information**	No further relevant information available.
· **VOC (EU):**	71.92 %
· **VOC (EU):**	595.7 g/l
· **VOCV:**	67.35 %

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** Carbon monoxide

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

Naphtha (petroleum), hydrotreated light		
Oral	LD50	>5000 mg/kg (RAT)
Dermal	LD50	>2800 mg/kg (RABBIT)
Inhalative	LC 50	>23.3 mg/l (RAT)
CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light		
Oral	LD50	>5000 mg/kg (RAT)
Dermal	LD50	>2600 mg/kg (RABBIT)
Inhalative	LC50/4 h	>193 mg/l (RAT)

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CAS: 67-64-1 Acetone		
Oral	LD50	5800 mg/kg (RAT)
Dermal	LD50	>15800 mg/kg (RABBIT)
Inhalative	LC50/4 h	76 mg/l (RAT)
	LC50/96 h	5540 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
CAS: 106-97-8 Butane, pure		
Inhalative	LC50/4 h	658 mg/l (rat)
Solvent naphtha (petroleum), light arom.		
Dermal	LD50	>2000 mg/kg (RABBIT)

· ***Primary irritant effect:***
· ***Skin corrosion/irritation***
Causes skin irritation.
· ***Serious eye damage/irritation***
Causes serious eye irritation.
· ***Respiratory or skin sensitisation*** Based on available data, the classification criteria are not met.
· ***Additional toxicological information:*** No further relevant information available.
· ***Ingestion:*** Risk of chemical pneumonia if the product reaches the lungs at vomiting or similar.
· ***CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)***
· ***Germ cell mutagenicity*** Based on available data, the classification criteria are not met.
· ***Carcinogenicity*** Based on available data, the classification criteria are not met.
· ***Reproductive toxicity*** Based on available data, the classification criteria are not met.
· ***STOT-single exposure***
May cause drowsiness or dizziness.
· ***STOT-repeated exposure*** Based on available data, the classification criteria are not met.
· ***Aspiration hazard***
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

· ***12.1 Toxicity***

· **Aquatic toxicity:**	
Naphtha (petroleum), hydrotreated light	
LL50/96 h	>13.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)
EL50/48 h	3 mg/l (DAPHNIA MAGNA)
EL50/72 h	10-30 mg/l (SELENASTRUM CAPRICORNUTUM)
CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light	
EC50/48 h	10 mg/l (PHAEOPHYTA)
CAS: 67-64-1 Acetone	
EC50/48 h	8800 mg/l (DAPHNIA MAGNA)

· ***12.2 Persistence and degradability*** No further relevant information available.
· ***12.3 Bioaccumulative potential*** No further relevant information available.
· ***12.4 Mobility in soil*** No further relevant information available.
· ***Ecotoxical effects:***
· ***Remark:*** Toxic for fish
· ***Additional ecological information:***
· ***General notes:***
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
· ***12.5 Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable.

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· ***vPvB:*** *Not applicable.*
· ***12.6 Other adverse effects*** *No further relevant information available.*

SECTION 13: Disposal considerations

· ***13.1 Waste treatment methods***
· ***Recommendation***
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dispose of as dangerous waste.

· ***European waste catalogue***	
*08 01 11**	*waste paint and varnish containing organic solvents or other hazardous substances*
HP 3	*Flammable*
HP 4	*Irritant - skin irritation and eye damage*
HP 14	*Ecotoxic*

· ***Uncleaned packaging:***
· ***Recommendation:*** *Disposal must be made according to official regulations.*

*

SECTION 14: Transport information

· ***14.1 UN-Number***
· ***ADR,RID,ADN, IMDG, IATA*** *UN1950*

· ***14.2 UN proper shipping name***
· ***ADR/RID/ADN*** *1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS*
· ***IMDG*** *AEROSOLS (Naphtha (petroleum), hydrotreated light, Naphtha (petroleum), hydrotreated light), MARINE POLLUTANT*
· ***IATA*** *AEROSOLS, flammable*

· ***14.3 Transport hazard class(es)***

· ***ADR/RID/ADN***

· ***Class*** *2 5F Gases.*
· ***Label*** *2.1*

· ***IMDG***

· ***Class*** *2.1*
· ***Label*** *2.1*

· ***IATA***

· ***Class*** *2.1*
· ***Label*** *2.1*

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· **14.4 Packing group**	
· **ADR,RID,ADN, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light
· **Marine pollutant:**	Yes Symbol (fish and tree)
· **Special marking (ADR/RID/ADN):**	Symbol (fish and tree)
· **14.6 Special precautions for user**	Warning: Gases.
· **Danger code (Kemler):**	-
· **EMS Number:**	F-D,S-U
· **Stowage Code**	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· **Segregation Code**	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADR/RID/ADN**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **Transport category**	2
· **Tunnel restriction code**	D
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E0 Not permitted as Excepted Quantity
· **UN "Model Regulation":**	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**

GHS02 GHS07 GHS09

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated light

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Naphtha (petroleum), hydrotreated light
Acetone
Solvent naphtha (petroleum), light arom.

· **Hazard statements**
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye 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.
P251 Do not pierce or burn, even after use.
P211 Do not spray on an open flame or other ignition source.
P260 Do not breathe spray.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category**
P3a FLAMMABLE AEROSOLS
E2 Hazardous to the Aquatic Environment
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	67.3

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** Product safety department.
· **Contact:** optimaproducts@lkqcoatings.com
· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association

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GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases – Category 1
Aerosol 1: Aerosols – Category 1
Press. Gas C: Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
· **** Data compared to the previous version altered.***