

SAFETY DATA SHEET (SDS)

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

1.1 Product identifier

AEROSOL RELEASE AGENT

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

Lubricants

1.3 Detail of the supplier of the safety data sheet

Kusshi Industries Sdn Bhd
No 50, Jalan Puteri 5/8
Bandar Puteri
47100 Puchong
Selangor, Malaysia

SECTION 2: Hazards Identification


2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical	:	Aerosols, category 2 Extremely flammable aerosol Pressurised container: May burst if heated Classification is based on test data
Health	:	Skin irritation, category 2 Causes skin irritation. Specific target organ toxicity-single exposure, category 3 May cause drowsiness or dizziness. Classification on calculation method
Environment	:	Hazardous to the aquatic environment, chronic category 2 Toxic to aquatic life with long lasting effects. Classification on calculation method

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier:	Contains: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic
Hazard pictogram(s)	
Signal word	: Danger
Hazard statement	: H222: Extremely flammable aerosol H229: Pressurised container: May burst if heated H315: Causes skin irritation H336: May cause drowsiness or dizziness H411: Toxic to aquatic life with long lasting effects
Precautionary statement	: P102: Keep out of reach of children P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P211: Do not spray on an open flame or other ignition sources P251: Do not pierce or burn, even after use

P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P271: Use only outdoors or in a well-ventilated area
P401/412: Protect from sunlight. DO not expose to temperatures exceeding 50°C/122°F
P501-2: Dispose of contents/container to an authorised waste collection points

2.3 Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
Hydrocarbons, C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene <0.1%)	01-2119485926-20	6851-2-91-4	270-990-9	30-60	Press. Gas, Flam, Gas 1	H280, H220	K, G
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	01-2119475515-33	-	(927-510-4)	30-60	Flma. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic	H225, H315, H336, H304, H411	Q

Explanation notes

G: exempted from the obligation to register in accordance with art. 2(7) of REACH Regulation No 1907/2006

K: not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)

Q: The CAS-no is only an indicative identifier to be used outside the EU for global inventory entries

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with eyes** : If substance has got into eyes, immediately wash out with plenty of water
If eye irritation persists: Get medical advice/attention
- Contact with skin** : Take off contaminated clothing and wash before reuse
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
- Inhalation** : IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
- Ingestion** : If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Inhalation** : Excessive inhalation of solvent may give rise to nausea, headaches and Dizziness
- Ingestion** : After vomiting of swallowed product aspiration into lung is likely. Solvents may induce chemical pneumonia
Symptoms: sore throat, abdominal pain, nausea, vomiting, irritation to skin
- Skin contact** : Irritating to skin

Eye contact : May cause irritation.
Symptoms: redness and pain

4.3 Indication of any immediate medical attention and special treatment needed

General Advice : If you feel unwell, seek medical advice (show the label where possible if symptoms persist always call a doctor)

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Foam, carbon dioxide or dry agent

5.2 Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products
CO, CO₂

5.3 Advice for fire fighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire. Do not breathe fumes

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Shut off ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves

6.2 Environmental precautions

Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4 Reference to other sections

For further information see Section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/.../equipment
Use only non-sparking tools
Do not breathe aerosols or vapours
Ensure adequate ventilation
Avoid contact with skin and eyes
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection

7.2 Conditions for safe storage, including any incompatibilities

Pressurized container: Protect from sunlight and do not expose to temperature exceeding 50°C
Keep out of reach of children

7.3 Specific and use (s)

Lubricants

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits: No information available

8.2 Exposure controls

Control procedures	:	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
Personal protection	:	Take precautions to avoid contact with skin and eyes when handling the product In all cases handle and use the product in accordance with good industrial hygiene practices Ensure adequate ventilation
Inhalation	:	In case of insufficient ventilation, wear suitable respiratory equipment
Hands and skin	:	When handling the product wear chemical-resistant gloves (standard EN 374) Use a reusable glove with a minimum breakthrough time 30 minutes. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through
Recommended gloves	:	Nitrile
Eyes	:	Wear safety eyewear according to EN 166
Environment protection	:	Avoid release to the environment Collect spillage

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Appearance	:	physical state: Propane/butane propelled liquid
Colour	:	Colourless
Odour	:	Solvent
pH	:	Not available
Boiling range	:	94°C
Flash point	:	-4°C
Evaporation rate:	:	Not available
Explosion limits	:	upper limit: 9.4%
Lower limit	:	1.1%
Vapour pressure:	:	Not available
Relative density	:	0.72g/cm ³ (@20°C)
Solubility in water:	:	Insoluble in water
Auto-ignition	:	>200°C
Viscosity	:	No available

9.2 Other information

No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known or used for its intended purpose

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

No hazardous reactions known of used for its intended purpose

10.4 Conditions to avoid

Avoid overheating

10.5 Incompatible materials

Strong oxidising agent

10.6 Hazardous decomposition products

CO, CO₂

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity : Based on available data the classification criteria are not met

Skin corrosion irritation : Causes skin irritation

Serious eye damage irritation : Based on available data the classification criteria are not met

Respiratory or skin sensitisation : Based on available data the classification criteria are not met

Germ cell mutagenicity : Based on available data the classification criteria are not met

Carcinogenicity : Based on available data the classification criteria are not met

Toxicity for reproduction : 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 : Based on available data the classification criteria are not met

Information on likely routes of exposure:

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Ingestion : After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia

Skin contact : Irritation to skin

Eye Contact : May cause irritation

Toxicological data:

Hazardous ingredient	CAS-nr.	Method	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	-	LD50 oral.rat	>5840mg/kg
		LC50 inhal.rat	23.3mg/l
		LD50 derm.rat	>2920mg/kg

SECTION 12: Ecological information

12.1 Toxicity

Hazardous to the aquatic environment chronic category 2
Toxic to aquatic with long lasting effects

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	Method	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	-	IC50 algae	10-30 mg/l
		LC50 fish	>13.4 mg/l
		EC50 daphnia	3 mg/l

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

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

Product : This material and its container must be disposed of in a safe way
Do not discharges into drains or the environment, dispose to an
Authorised waste collection point.

Contaminated packaging : Disposal should be in accordance with local, state or national
legislation

SECTION 14: Transport information

14.1 UN number

UN-number : 1950

14.2 UN proper shipping name

Proper shipping name : AEROSOLS (hydrocarbons)

14.3 Transport hazard class(es)

Class : 2.1

ADR/RID-Classification Code : 5F

14.4 Packing group

Packing group : Not applicable

14.5 Environmental hazards

**ADR/RID-Environmentally:
Hazardous** : Yes

IMDG-Marine pollutant : Marine pollutant

**IATA/ICAO-
Environmentally
Hazardous** : Yes

14.6 Special precautions for user

ADR/RID-Tunnel code : (D)

IMDG-Ems : F-D, S-U

IATA/ICAO-PAX : 203

IATA/ICAO-CAO : 203

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

15.2 Chemical safety assessment

No information available

SECTION 16: Other information

Explanation hazard statements : H220: Extremely flammable gas
H225: Highly 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
H336: May cause drowsiness or dizziness
H411: Toxic to aquatic life with long lasting effects

Acronyms and synonyms: TWA= time weight average
STEL= short time exposure limit
VOC= volatile organic compounds
PBT= persistent bioaccumulative toxic
vPvB= very persistent very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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