



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product	Aluminium-Spray A-400 (GB) Code-Nr. 11051
Manufacturer/distributor	WEICON GmbH & Co. KG Königsberger Straße 255, DE-48157 Münster Postbox 84 60, DE-48045 Münster Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322-244 E-Mail : info@weicon.de Internet : www.weicon.de
Advice	Abteilung Angebote, Verkauf, Export Phone ++49(0)251 / 9322 - 0
Emergency advice	Giftnotruf Bonn: Bei Vergiftungen (in case of poisoning) Phone ++49(0)228-19 240
Recommended intended purpose(s)	Technical Aerosols

2. HAZARDS IDENTIFICATION

Classification

F+; R12
R52/53

R-phrases

12 Extremely flammable.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

Special hazards information for humans and environment

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Propellant: propane / butane

Aluminium coloured laquer based on synthetic resin solvent and pigments.

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
67-64-1	200-662-2	acetone	10 - 25	F R11; Xi R36; R66; R67
123-86-4	204-658-1	n-butyl acetate	2,5 - 10	R10; R66; R67
64742-49-0	265-151-9	Naphtha (Erdöl), mit Wasserstoff behandelte leichte ; Naphtha, wasserstoffbehandelt, niedrig siedend (Nota P)	2,5 - 10	F11; Xn R 65; Xi R38; R67; N R51/53
64742-95-6	265-199-0	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	10 - 25	Xn, N ,R 10-37-51/53-65-66-67
-	231-072-3	aluminium powder (stabilised)	2,5 - 10	F R15; R10
109-87-5	203-714-2	Dimethoxymethan; Formal	<= 2,5	F R11
61641-74-5		propane/butane-mixture	20 - 50	F+, R12



4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with soap and water.
Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.
Call for a doctor immediately.

Physician's information / possible symptoms

The following symptoms may occur:

Unconsciousness
Anaesthetic state
Headache
Confusion
Dizziness

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam
Dry fire-extinguishing substance
sand

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire gas of organic material has to be classed invariably as respiratory poison.
Carbon monoxide (CO)
Carbon dioxide (CO₂)

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid sparking.
Ensure adequate ventilation.
Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up

Take up with absorbent material.
After taking up the material dispose according to regulation.



7. HANDLING AND STORAGE

Advice on safe handling

Ventilate closed rooms at ground level.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn even after use.

The product is combustible.

Take precautionary measures against static discharges.

Requirements for storage rooms and vessels

Keep in closed original container.

Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

Advice on storage compatibility

Do not store together with animal feedstuffs.

Further information on storage conditions

Protect from direct solar radiation.

Storage temperature may not exceed 50°C (=122°F).

Store container at cool and aired place.

Store in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m ³]	[ppm]	Spitzenb.	Remark
67-64-1	Acetone	8 hours	1210	500		EH40/2005
		Short-term	3620	1500		
106-97-8	Butane	8 hours	1450	600		EH40/2005
		Short-term	1810	750		
109-87-5	Dimethoxymethane	8 hours	3160	160		EH40/2005
		Short-term	3950	1250		

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC or 2006/15/EC)

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
67-64-1	acetone	8 hours	1210	500	

Respiratory protection

Environment-independent breathing apparatus.

Breathing apparatus in the event of aerosol or mist formation.

Hand protection

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: butyl rubber, 0,7mm; 480min

Eye protection

safety goggles

Skin protection

protective clothing

General protective measures

Avoid contact with eyes and skin

Do not inhale aerosols



Hygiene measures

At work do not eat, drink and smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form aerosol	Colour grey	Odour characteristic
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Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	-44 °C				
Flash point	-97 °C				
Ignition temperature	365 °C				
Lower explosion limit	0,7 Vol-%				
Upper explosion limit	13 Vol-%				
Vapour pressure	8300 hPa	20 °C			
Density	not determined				
Solubility in water					immiscible

Explosive properties

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

10. STABILITY AND REACTIVITY

Conditions to avoid

Keep away from heat.
Formation of explosive gas/air mixtures.

Materials to avoid

Reactions with acids, alkalies and oxidising agents.

Hazardous decomposition products

carbon monoxide and carbon dioxide

Thermal decomposition

Remark No decomposition if used as directed.

11. TOXICOLOGICAL INFORMATION

Additional information

Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.



12. ECOLOGICAL INFORMATION

General regulation

Do not allow uncontrolled leakage of product into the environment.
Product is not allowed to be discharged into aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste code No.

15 01 10*

Name of waste

packaging containing residues of or contaminated by dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.

General information

For proper waste disposal a complete emptying of the tin is necessary.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, 2.1, (D), Classification code: 5F
transport in "limited quantities" according to 3.4 ADR LQ2 is possible

Marine transport IMDG

UN 1950 AEROSOLS, 2.1
Transport as limited quantities according to 3.4 IMDG Code is possible.

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

Transport/further information

24h EMERGENCY CONTACT (TRANSPORT) +49(0)178 433 7434 (Consultank GmbH)

15. REGULATORY INFORMATION

Remarks for classification

The product is classified and labelled in accordance with EC directives.

Classification

F+ Extremely flammable

R-phrases

12 Extremely flammable.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

S-phrases

23.4 Do not breathe spray.
29/56 Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.
51 Use only in well-ventilated areas.



Special labelling for certain preparations

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Without sufficient ventilation the formation of explosive vapour/air mixtures cannot be excluded. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

VOC standard

VOC value

0,252 g/L

16. OTHER INFORMATION

Recommend uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R-phrases specified in chapter 3 (not the classification of the formulation!)

R 10 Flammable.

R 11 Highly flammable.

R 12 Extremely flammable.

R 15 Contact with water liberates extremely flammable gases.

R 36 Irritating to eyes.

R 37 Irritating to respiratory system.

R 38 Irritating to skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.