



Product Data Sheet

ASMACO SILICONE SPRAY

Silicone Mould Release & Lubricating Spray

Description: ASMACO SILICONE SPRAY is a multipurpose silicone-based mould release agent formulated with a high-grade combination of silicone and anti-friction agents based on organosilicon compounds. It provides excellent slip and release properties, reducing adhesion between moulded components and surfaces such as plastics, moulds, metals, and tools.

Its high silicone content helps minimize sticking, surface defects, and rejection of moulded parts. The product facilitates easy removal of components from moulds, while helping to improve the surface finish and release performance of moulded parts.

ASMACO SILICONE SPRAY is particularly suitable for applications where the use of petroleum-based lubricants or products containing fats is undesirable.



KEY PERFORMANCE PROPERTIES

- Excellent anti-stick and mould release properties.
- High sliding and lubricating performance.
- Helps reduce adhesion between moulded parts and mould surfaces.
- Facilitates easy removal of moulded components.
- Helps minimize sticking-related defects and product rejection.
- Contributes to improved surface finish of moulded components.
- Suitable for plastics, moulds, metals, and processing tools.
- Silicone-based formulation with good surface coverage.
- Suitable where petroleum-based lubricants or fat-containing products are undesirable.

AREAS OF APPLICATION

ASMACO SILICONE SPRAY is suitable for use as a mould release and anti-friction agent in:

- Plastic processing and moulding operations.
- Injection and compression moulding.
- Pressing and forming applications.
- Vacuum forming and deformation processes.
- Release of plastic components from moulds and tools.
- Applications involving moulds, metal surfaces, and processing tools where easy release is required.
- Applications where a silicone-based release agent is preferred over petroleum-based lubricants.

METHOD OF APPLICATION

Surface Preparation

Ensure that the mould, tool, or surface to be treated is clean, dry, and free from dust, dirt, grease, oil, old release agent, and other contaminants. Where necessary, clean the surface using a suitable cleaning method and allow it to dry completely before application.

Product Preparation

Shake the ASMACO SILICONE SPRAY can thoroughly before use to ensure uniform distribution of the silicone and anti-friction components.

Application

Hold the can approximately **20–30 cm** from the surface and spray a light, even coating over the mould or tool surface. Avoid excessive application or accumulation of the product in one area.

Coverage

Apply sufficient material to provide a continuous and uniform release film. For new or highly absorbent/active surfaces, a light initial coat may be followed by a second coat after the first coat has settled or dried, as required by the application.

Drying / Settling

Allow the applied film to settle and dry before commencing the moulding or forming operation. The required waiting time may vary depending on application conditions, temperature, ventilation, and the type of mould or substrate.

Moulding Operation

Proceed with the normal moulding, pressing, injection, vacuum forming, or deformation process after the release film has been established. The product should provide easy separation of the moulded component from the treated surface.

Reapplication

Reapply as necessary depending on the production cycle, mould condition, material being processed, and release performance. Excessive application should be avoided, as a heavy film may affect the surface finish of the moulded component or interfere with subsequent processes.

Trial Application

Before full-scale production, conduct a trial application under actual operating conditions to verify release performance, compatibility with the moulding material, and the effect on the final surface finish.

IMPORTANT APPLICATION PRECAUTIONS

- Use only in a well-ventilated area.
- Do not spray directly onto electrical equipment, energized components, or sources of ignition.



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- Avoid inhalation of spray mist and unnecessary skin or eye contact.
- Do not apply excessive quantities.
- Ensure compatibility where the moulded component will subsequently undergo painting, printing, coating, bonding, or sealing.
- Where silicone contamination could affect a subsequent process, carry out a compatibility and adhesion trial before production.
- Do not use the product outside its intended mould-release and anti-friction applications without prior technical evaluation.

STORAGE AND HANDLING AFTER USAGE

Store the product in its original, tightly closed container in a cool, dry, and well-ventilated area, away from direct sunlight, excessive heat, and sources of ignition. Follow the storage, handling, and safety precautions stated in the applicable Safety Data Sheet (SDS).

HEALTH & SAFETY

- Use only in a well-ventilated area and avoid prolonged inhalation of spray mist or vapors.
- Avoid contact with eyes and skin. Wear suitable protective gloves and eye protection during application.
- Keep away from heat, sparks, open flames, and other ignition sources.
- Do not smoke while using the product.
- Do not puncture, burn, or expose the aerosol can to temperatures above 50°C.
- Keep out of reach of children.
- If swallowed, inhaled excessively, or irritation occurs, seek medical attention and refer to the SDS for further information.
- Dispose of the empty container in accordance with local regulations.

PACKAGING / SUPPLYING

ASMACO SILICONE SPRAY

CAN: 400 ml, 12 CAN of 400 ml / Carton

STORAGE, SHELF LIFE & HANDLING

ASMACO SILICONE SPRAY is temperature sensitive and should be stored in a cool, dry, and covered area, protected from direct sunlight, heat sources, and excessive ambient temperatures. Prolonged exposure to elevated temperatures, including storage in shaded but excessively hot areas, may accelerate product ageing, reduce the stated shelf life, and adversely affect application and performance characteristics.

In hot climatic conditions, ASMACO SILICONE SPRAY must be stored at temperatures below 30°C. Avoid prolonged exposure to extreme temperature fluctuations during storage and transportation.

When stored in its original, unopened packaging under the recommended temperature conditions, the product has a shelf life of up to 5 Years from the date of manufacture.

Stock should be managed and consumed on a **First-In, First-Out (FIFO)** basis to ensure optimum shelf life and consistent product performance.

QUALITY & CARE

All products originating from **ANCHOR ALLIED FACTORY LLC** Sharjah, UAE. facility is manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001, ISO 45001 & ISO 50001

CERTIFICATIONS



TECHNICAL SPECIFICATIONS

PROPERTIES	TYPICAL VALUES	TEST STANDARDS
Color	Clear	—
Appearance	Liquid	—
Odor	Hydrocarbons	—
Density at 25° C	0.720 ± 0.05 g/cm ³	—
Inside pressure at 25°C	4.0 ± 1	bar
Discharge Rate Calculated	1.0	G / Sec
Temperature Range	Up to 200	°C

Laboratory-controlled test results. All stated values are subject to a tolerance of ±5–10%.



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Regional Compliance Notice

Please note that regulatory requirements may vary from one region to another. As a result, product information and recommended applications may differ between countries. For accurate and up-to-date details on product specifications and approved uses, and for any technical guidance, please contact Technical Department of ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE.

Disclaimer

The technical information, data, and recommendations provided by ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE are supplied in good faith based on current knowledge and experience and are intended for general guidance only. Product performance may vary due to factors beyond ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE's control, including materials, substrates, environmental conditions, and methods of application.

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Users are responsible for verifying the product's suitability for the intended application and for conducting appropriate testing under actual project conditions. Product specifications may be amended without prior notice. All sales are subject to ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE current Terms and Conditions of Sale and Delivery. Users must refer to the latest applicable Product Data Sheet prior to use.



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