



## Technical Information

# Freeze & Penetrate

## Rust Penetrant with Freeze Action

### Product Description

ASV® Freeze & Penetrate is formulated using the latest technology in rust penetrants. It is a high grade, industrial strength rust loosener with rust cracking ability caused by rapid chilling, wetting and excellent creeping property due to its high capillary action. Seized or rusted components are easily released by the combination of shock freezing and penetrating action of this formulation. On spraying upon the rusted component such as a threaded bolt it rapidly cools the surface to as low as -40°C due to its unique formulation causing them to shrink thereby opening micro fine cracks through which the lubricant can penetrate easily to free rusted, seized or corroded components.

ASV® Freeze & Penetrate does not contain any silicones, ozone depleting chemicals, CFC's or harmful chlorinated solvents and features a 360° spray valve enabling the product to be sprayed in any position or to reach hard to reach areas. It is free from any resins or oleic acid.

### Benefits

- Freezing action quickly breaks apart rust
- Penetrates deeply through rust to loosen scale and corroded or frozen parts
- Leaves a thin film to prevent formation of rust or corrosion
- Cleans & removes oils, greases and other light contaminants
- 360° Valve allows product to be sprayed in any position-even inverted

### Directions for Use

Remove all dirt and loose rust from parts. Shake can thoroughly and spray at a distance of about 3-6 inches onto the threaded bolt for a period of 5-10 seconds. Allow the product to react for a few minutes before opening the bolted connection. Repeat as necessary.

Caution: Contains flammable solvents and propellant. Do not spray near naked flame, hot surfaces or energized equipment. Use with adequate ventilation, 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 an open flame or any incandescent material. Keep away from sources of ignition.

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### Technical Properties

Property		Value
Appearance	Visual	Liquid
Color	Visual	Light yellow
Odor		Solvent
Specific Gravity @ 27°C	In house	0.60-0.63 gm/cc
Flash Point	ASTM D 92	-17°C (aerosol)
Chlorinated solvents		None
Solubility		Nil in water
Corrosion Protection		Indoors
Suitable For		All metals

\* of active ingredients

### Available Packaging

- 500 ml aerosol spray

### General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

### Disposal

All used and unused product should be disposed of in accordance with state regulations.

### Shelf Life

24 months from date of manufacture in sealed condition

### Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

### Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV® product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

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