



MATERIAL SAFETY DATA SHEET
CRACK - IT, SHOCK- FREEZE RELEASE SPRAY

ISSUE DATE: 01.12

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product name Crack - It, Shock- Freeze Release Spray
Product No. CI/400, 400ml
Address/Phone No. Nina Works, Gelderd Road, Leeds LS12 6NA
 Tel.+44(0)113 213 4294, Fax +44(0)80113 213 4280
 sales@arctic-products.co.uk

2. HAZARDS IDENTIFICATION

Classification (1999/45/EEC) F+;R12..

Labelling



Extremely flammable

Risk Phrases

R12 Extremely flammable.

Safety Phrases

A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

A2 Do not spray on a naked flame or any incandescent material.

S2 Keep out of the reach of children.

S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe vapour/spray.

S35 This material and its container must be disposed of in a safe way.

S51 Use only in well-ventilated areas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	EC No.	Conc	Registration No.	Classification (67/548/EEC)	Classification (EC 1272/2008)
HYDROCARBON PROPELLANT	68476-85-7	270-704-2	60-100%		F+;R12.	Flam. Liq. 1 - H224
ISOPARAFINIC HYDROCARBON	90622-58-5	292-460-6	10-30%	01-2119456810-40-0000	EUH066; Asp. Tox. 1 - H304	Xn;R65;R66.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4. FIRST AID MEASURES

Eye contact: Irritation of eyes and mucous membranes. Rinse the eye with water immediately. Get medical attention if any discomfort continues.

Skin contact: Wash skin with soap and water. Get medical attention if any discomfort continues.

Inhalation: Vapours may cause drowsiness and dizziness. Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion: Due to the physical nature of this material it is unlikely that swallowing will occur. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

5. FIRE-FIGHTING MEASURES

Extinguishing Media Extinguish with foam, carbon dioxide or dry powder.

Unusual Fire & Explosion Hazards Aerosol cans may explode in a fire.

Special Fire Fighting Procedures Use water to keep fire exposed containers cool and disperse vapours.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Do not smoke, use open fire or other sources of ignition.

Environmental Precautions Do not discharge onto the ground or into water courses.

Clean up Methods Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb with inert, damp, non-combustible material, then flush area with water.

7. HANDLING AND STORAGE

Handling Precautions Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

Storage Precautions Keep away from heat, sparks and open flame. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store at moderate temperatures in dry, well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min	
HYDROCARBON PROPELLANT	WEL	600 ppm	1430 mg/m3	750 ppm	1780 mg/m3
ISOPARAFINIC HYDROCARBON	WEL	171 ppm	1200 mg/m3		

WEL = Workplace Exposure Limit.

Protective equipment



Engineering measures

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Rubber, neoprene or PVC.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Aerosol.

10. STABILITY AND REACTIVITY

Reactivity No specific reactivity hazards associated with this product.

Chemical Stability Stable under normal temperature conditions and recommended use.

Possibility of hazardous reactions Not determined.

Conditions to Avoid Avoid heat, flames and other sources of ignition.

Materials to Avoid No incompatible groups noted.

Hazardous decomposition products Fire or high temperatures create: Carbon dioxide (CO₂). Carbon monoxide (CO).

11. TOXICOLOGICAL INFORMATION

Skin Repeated exposure may cause skin dryness or cracking.

Eye Irritation of eyes and mucous membranes.

Ingestion Gastrointestinal symptoms, including upset stomach.

Inhalation Vapours may cause drowsiness and dizziness.



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12. ECOLOGICAL INFORMATION

Ecotoxicity The product is not expected to be toxic to aquatic organisms.
Acute Toxicity - Fish Not determined.
Degradability There are no data on the degradability of this product.
Bioaccumulative potential No data available on bioaccumulation.
Mobility The product has poor water-solubility.
Results of PBT and vPvB assessment
Other adverse effects Not determined.

13. DISPOSAL CONSIDERATIONS

Water Disposal Methods Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

UN No. (ADR/RID/ADN) 1950
UN No. (IMDG) 1950
UN No. (ICAO) 1950
Proper Shipping Name AEROSOLS
ADR/RID/ADN Class Class 2.1: Flammable gases.
IMDG Class 2
ICAO Class/Division 2
Transport Labels



Packing group Not applicable.
Environmentally Hazardous Substance/Marine Pollutant No.
Special precautions Tunnel Restriction Code (D)

15. REGULATORY INFORMATION

Other National Regulations Statutory Instruments Control of Substances Hazardous to Health.
Guidance Notes Workplace Exposure Limits EH40.
EU Legislation Dangerous Preparations Directive 1999/45/EC.

16. OTHER INFORMATION

Risk Phrases In Full R12 Extremely flammable.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
Hazard Statements In Full EUH066 Repeated exposure may cause skin dryness or cracking.
H224 Extremely flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.