



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1957	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	SHIELD	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Broad Range Corrosion Inhibitor	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION:
Mutagenicity: Category 1B
Carcinogen: Category 1B
Flammable aerosol 2: Pressurized container: May burst if heated.
Toxic

SIGNAL WORD:
DANGER

SYMBOL:



HAZARD DETERMINING COMPONENTS:

Petroleum gases, liquefied, sweetened.

HAZARD STATEMENTS:

Flammable aerosol. Pressurized container: May burst if heated.
May cause genetic defects.
May cause cancer.

PRECAUTIONARY STATEMENTS:

Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Pressurized container: Do not pierce or burn, even after use.
Do not spray on an open flame or other ignition source.

Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	EINECS	% by Wt
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	25-50
Petroleum gases, liquefied, sweetened	68476-86-8	270-705-8	25-50

Additional information: For the wording of the listed risk phrases, refer to Section 16.

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Rinse opened eye for several minutes under running water.

SKIN: Immediately wash with water and soap and rinse thoroughly.

INHALATION: Supply fresh air; consult doctor in case of complaints.

INGESTION: If symptoms persist, consult doctor.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

No further relevant information available.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIFIC TREATMENT NEEDED:

No further relevant information available.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

CO₂, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No further relevant information available.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained respiratory protective device. Wear fully protective suit.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Wear protective equipment. Keep unprotected persons away.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Do not allow to enter sewers/surface or ground water. Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation.

REFERENCE TO OTHER SECTIONS:

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:

Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.

PRECAUTIONS FOR SAFE STORAGE & INCOMPATIBILITIES:

Observe official regulations on storing packaging with pressurized containers. Do not store together with acids. Keep receptacle tightly sealed.

SPECIFIC END USES:

No further relevant information available.

8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS:

No further data; see Section 7.

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

ADDITIONAL INFORMATION:

The lists that were valid during the creation were used as basis.

PERSONAL PROTECTIVE EQUIPMENT:



GENERAL PROTECTIVE AND HYGIENIC MEASURES: Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately.

BREATHING EQUIPMENT: Use suitable respiratory protective device in case of insufficient ventilation.

SKIN: Protective gloves, i.e., nitrile, viton, neoprene. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion, and the degradation. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Protective work clothing.

EYE PROTECTION: Tightly sealed goggles.

9. Physical & Chemical Properties

Density:	Not determined.	Flammability (solid/gas):	Not applicable.
Form:	Aerosol.	Evaporation Rate:	Not applicable.
Color:	Amber colored.	Organic Solvents:	0.0%
Odor:	Characteristic.	Explosive Limit – lower (%):	0.5 Vol %
Odor Threshold:	Not determined.	Explosive Limit – upper (%):	6.5 Vol %
pH:	Not determined.	Vapor Pressure (20°C):	2 hPa (2 mm Hg)
Melting Point/Range:	Not determined.	Vapor Density:	Not determined.
Boiling Point/Range:	Not applicable as aerosol.	Relative Density:	Not determined.
Partition Coeff (n-octanol/water):	Not determined.	Solubility (ies):	Not miscible or difficult to mix.
Viscosity (dynamic/kinetic):	Not determined.	Auto-Ignition :	Product is not self-igniting.
Flash Point:	Not applicable as aerosol.	Decomposition Temperature:	Not determined.
Solids Content:	6.5%	Ignition Temperature:	210°C (410°F)
Danger of Explosion:	Not determined.		

Other Information: The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10. Stability & Reactivity Information

INCOMPATIBLE MATERIALS:

No further relevant information available.

CONDITIONS TO AVOID:

No further relevant information available.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known.

THERMAL DECOMP/CONDITIONS TO AVOID:

No decomposition if used according to specifications.

HAZARDOUS DECOMPOSITION PRODUCTS:

No dangerous decomposition products known.

11. Toxicological Information

ACUTE TOXICITY:

LD/LC50 values that are relevant for classification:

COMPONENTS	TYPE	VALUE	SPECIES
Alkyltriazole	LD50	675 mg/kg	Rat

PRIMARY IRRITANT EFFECT:

EYES: May be irritating.

SKIN: Repeated or prolonged skin contact with this product may produce skin irritation.

SENSITIZATION: No sensitizing effects known.

ADDITIONAL TOXICOLOGICAL INFORMATION:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Carcinogenic. The product can cause inheritable damage.

CARCINOGENIC CATEGORIES:

IARC: 128-37-0.

2,6-di-tert-butyl-p-cresol: 3

Tertiary alkanolamine: 3

NTP: None of the ingredients is listed.

OSHA-CA: None of the ingredients is listed.

12. Ecological Information**AQUATIC TOXICITY:**

No further relevant information available.

PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

BIOACCUMULATIVE POTENTIAL:

No further relevant information available.

MOBILITY IN SOIL:

No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION:

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water. Do not allow product to reach ground water, watercourse, or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

PBT: Not applicable.

vPvB: Not applicable.

OTHER ADVERSE EFFECTS:

No further relevant information available.

13. Disposal Consideration

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

14. Transportation Information

DOT: UN NUMBER: UN1950
 UN PROPER SHIPPING NAME: Aerosols, flammable.
 TRANSPORT HAZARD CLASS(ES)

Class: 2.1

Subsidiary Risk:

Label(s): 2.1

PACKING GROUP: Void.



IATA: UN NUMBER: UN1950.
 UN PROPER SHIPPING NAME: AEROSOLS, flammable.
 TRANSPORT HAZARD CLASS(ES)

Class: 2.1

Subsidiary Risk:

Label(s): 2.1

PACKING GROUP: Void.

ENVIRONMENTAL HAZARDS: No.



ADR: UN NUMBER: UN1950.
 UN PROPER SHIPPING NAME: 1950 Aerosols.
 TRANSPORT HAZARD CLASS(ES)

Class: 2 5F Gases

Subsidiary Risk:

Label(s): 2.1

PACKING GROUP: Void.

EXCEPTED QUANTITIES (EQ): Code: E0. Not permitted as Excepted Quantity.



IMDG: UN NUMBER: UN1950
 UN PROPER SHIPPING NAME: AEROSOLS
 TRANSPORT HAZARD CLASS(ES)

Class: 2.1

Subsidiary Risk:

Label(s): 2.1

PACKING GROUP: Void.

ENVIRONMENTAL HAZARDS:

Marine pollutant: No.

SPECIAL PRECAUTIONS FOR USER:

DANGER CODE: Kemler: -

EMS Number: F-D, S-U.

EmS: F-D,S-U.

LIMITED QUANTITIES: 1L.

EXCEPTED QUANTITIES: Code: EO. Not permitted as Excepted Quantities.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 and the IBC CODE:

Not applicable.

UN MODEL REGULATION:

UN1950, Aerosols, 2.1.



15. Regulatory Information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

SARA Section 355 (extremely hazardous substances)

None of the ingredients is listed.

SARA Section 313 (specific toxic chemical listings)

None of the ingredients is listed.

TSCA (Toxic Substances Control Act) (Substances not listed)

All ingredients are listed.

Prop 65 - Chemicals known to cause cancer:

None of the ingredients is listed.

CARCINOGENICITY CATEGORIES:

EPA (Environmental Protection Agency): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

CANADIAN DOMESTIC SUBSTANCES LIST (DSL) (Substances not listed)

None of the ingredients is listed.

PHILIPPINES INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (Substances not listed)

Canola oil.

CHINESE CHEMICAL INVENTORY OF EXISTING CHEMICAL SUBSTANCES (Substances not listed)

All ingredients are listed.

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (Substances not listed)

Canola oil.

NEW ZEALAND INVENTORY OF CHEMICALS (Substances not listed)

All ingredients are listed.

EXISTING CHEMICAL SUBSTANCES (Substances not listed)

Petroleum gases, liquefied, sweetened. Canola oil.

INFORMATION ABOUT LIMITATIONS OF USE:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

CHEMICAL SAFETY ASSESSMENT:

A Chemical Safety Assessment has not been carried out.

16. Other Information

ABBREVIATIONS AND ACRONYMS:

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

DOT: US Department of Transportation.

IATA: International Air Transport Association.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

NFPA: National Fire Protection Association (USA).

HMIS: Hazardous Materials Identification System (USA).

LC50: Lethal Concentration, 50%.

LD50: Lethal Dose, 50%.

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 2: Flammable aerosols, Hazard Category 2.

Press. Gas: Gases under pressure: Compressed gas.

Muta. 1B: Germ cell mutagenicity, Hazard Category 1B.

Carc. 1B: Carcinogenicity Hazard Category 1B.

***Data compared to the previous version altered.**

DISCLAIMER:

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