



SP10 Solvent Removable Penetrant red Aerosol

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name SP10 Solvent Removable Penetrant red Aerosol

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

Product Category PC14 Metal surface treatment products, including galvanic and electroplating products

Process Category PROC7 Industrial spraying
PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
PROC13 Treatment of articles by dipping and pouring

Environmental Release Category ERC4 Industrial use of processing aids in processes and products, not becoming part of articles

Article Category AC7 Metal articles

Application of the substance / the mixture Testing material for non-destructive surface crack detection

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification 3AK Chemie Private Limited
Address of Manufacturer 5/B5/1 TSIIC Automotive Park,
Kallakal, Telangana - 502336 INDIA

Postal code 502336

Telephone: +91 98496 40017

Fax --

E-mail sales@3akchemie.com

Office hours

Supplier

Company Identification 3AK Chemie Private Limited
Address of Supplier 5/B5/1 TSIIC Automotive Park,
Kallakal, Telangana - 502336 INDIA

Postal code 502336

Telephone: +91 98496 40017

Fax --

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Office hours

1.4 Emergency telephone number

Emergency Phone No. +91 70934 03017

Contact Customer Care, 3AK Chemie

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Aerosol 1 :Extremely flammable aerosol. Pressurised container: May burst if heated.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name MR62 Penetrant red (AMS) Aerosol

Hazard Pictogram(s)



GHS02



GHS04



GHS08

Signal Word(s)

Danger

Hazard Statement(s)

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.



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EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	40-50	Asp. Tox. 1 H304	GHS08
Petroleum gases, liquefied, sweetened	68476-86-8	270-705-8	35-50	Flam. Gas 1A H220 Press. Gas H280	GHS02 GHS04
Distillates (petroleum), hydrotreated light	64742-53-6	265-156-6	<2	Asp. Tox. 1 H304	GHS08

Contains no non-classified vPvB substances or substances with a Union workplace exposure limit.
For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact In case of skin contact, Immediately wash with water and soap and rinse thoroughly.
Eye Contact Flush eyes with water for at least 15 minutes.
Ingestion IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Call a POISON CENTER or doctor/physician if you feel unwell.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media Extinguish with Carbon dioxide, dry chemical, alcohol resistant foam or water spray.
Unsuitable extinguishing media Do not use water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire carbon monoxide can be released.

5.3 Advice for firefighters

As appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES



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6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing and gloves.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Absorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

Protect from sunlight.

Storage temperature

Do not expose to temperatures exceeding 50°C/ 122°F.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

No Occupational Exposure Limit assigned.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation.

8.2.2. Personal protection equipment

Eye Protection

Wear eye protection with side protection (EN ISO 16321-1).



Skin protection

Protection of hands:

Check the permeability prior to each renewed use of the glove.

For the protection against chemicals in areas with heightened risk of injury (mechanical hazard) no

recommendation for a suitable glove material can be given.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.5 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks

of quality and varies from manufacturer to manufacturer. As the product is a preparation of several

substances, the resistance of the glove material can not be calculated in advance and has therefore

to be checked prior to the application.

Penetration time of glove material

Value for the permeation: Level ≤ 6





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Respiratory protection

Filter AX-P2

For good ventilation provide, this can be achieved by local or space exhaust. If the concentration lies over the job limit values, then, a certified respirator suitable for this purpose must be used.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Aerosol
Colour	Red
Odour	Characteristic
Melting point/freezing point	Undetermined.
Boiling point or initial boiling point and boiling range	Not applicable.
Flammability	Not applicable
Flash Point	-80°C, Basis: Propellant
Auto-ignition temperature	Not determined
Decomposition Temperature	Not determined
pH	Not determined
Kinematic Viscosity	< 4.0 cst
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	8,300hPa, Basis: Propellant
Density gm/ml@20°C	0.84
Relative vapour density	Not determined
Particle characteristics	Not determined

9.2 Other information

Explosive properties	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Solubility (Water)	Not miscible or difficult to mix.
Organic solvents	30%

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Keep away from heat and direct sunlight.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Self classification: (cas no. 64742-47-8): LD50 Oral(rat)***>5000mg/kg
Acute toxicity - Skin Contact	Self classification:



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Acute toxicity - Inhalation	(cas no. 64742-47-8): LD50 Dermal(rab)***>5000mg/kg Self classification:
Skin corrosion/irritation	(cas no. 64742-47-8): LC50 Inhalation(rat)***>5000mg/m3/4hr Self classification: No data available
Serious eye damage/irritation	Non-irritant
Skin sensitization data	Not classified
Respiratory sensitization data	Not classified
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Not classified
Lactation	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified
11.2 Information on other hazards	Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	No data available
Toxicity - Fish	no data available
Toxicity - Algae	no data available
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

UN No. 1950

14.2 UN proper shipping name

UN proper shipping name AEROSOLS

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class

2

ADR Classification Code

5F

Special Provisions

190 327 344 625

Limited Quantities

1 L

Excepted Quantities

E0

Emergency Action Code

Packing Instructions for Packages

P207 LP200



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Special Packing Provisions for Packages PP87 RR6 L2
 Mixed Packing Instructions for Packages MP9
 Instructions for Portable Tanks
 Special Provisions for Portable Tanks
 Tank Code for Tanks
 Special Provisions for Tanks
 Vehicle for Tank Carriage
 ADR Transport Category 2
 Tunnel Restriction Code D
 Special Provisions for Carriage - Packages V14
 Special Provisions for Carriage - Bulk
 Special Provisions for Carriage - Loading, Unloading and Handling CV9 CV12
 Special Provisions for Carriage - Operation S2
 ADR HIN
 IMDG
 IMDG Class 2
 Special Provisions 63 190 277 327 344 381 959
 Limited Quantities 1 L
 Excepted Quantities E0
 Mixed Packing Instructions for Packages P207 LP200
 Special Packing Provisions for Packages PP87 L2
 Instructions for Portable Tanks
 Special Provisions for Portable Tanks
 IMDG EMS F-D, S-U
 Stowage and Handling SW1 SW22
 Segregation SG69
 Marine Pollutant
 ICAO/IATA
 ICAO/IATA Class 2.1
 Excepted Quantities E0
 Passenger and Cargo Aircraft Limited Quantities Packing Instructions Y203
 Passenger and Cargo Aircraft Limited Quantities Max net Qty 30Kg G
 Passenger and Cargo Aircraft Packing Instructions 203
 Passenger and Cargo Aircraft Max net Qty 75Kg
 Cargo Aircraft Packing Instructions 203
 Cargo Aircraft Max net Qty 150Kg
 Special Provisions A145, A167, A802
 Emergency Response Guidebook (ERG) Code 10L
 Labels
 Labels 2.1



14.4 Packing group

Packing group

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Maritime transport in bulk according to IMO instruments

No information available

SECTION 15: REGULATORY INFORMATION



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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Seveso Directive

Code P3a: Lower Tier Quantity 150 - Upper Tier Quantity 500

US NFPA ratings



NFPA health hazard : 2; NFPA fire hazard : 4; NFPA reactivity : 0

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS02

GHS04: GHS: Gas cylinder

GHS08: GHS: Health hazard

Hazard classification

Flam. Gas 1A : Flammable gas Category 1A

Aerosol 1 : Aerosol, Category 1

Press. Gas : Gases under pressure

Asp. Tox. 1 : Aspiration hazard, Category 1

Hazard Statement(s)

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.



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H229: Pressurised container: May burst if heated.
H280: Contains gas under pressure; may explode if heated.
H304: May be fatal if swallowed and enters airways.
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS Regulation (EC) No. 1272/2008 (CLP)

Training Advice

Disclaimers

Regular safety training as appropriate
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