



## SD30 Non-Aqueous Developer 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 SD30 Non-Aqueous Developer 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

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 TSIC 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 TSIC Automotive Park,  
Kallakal, Telangana - 502336 INDIA

Postal code 502336

Telephone: +91 98496 40017

Fax --

E-mail sales@3akchemie.com

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.  
Asp. Tox. 1 :May be fatal if swallowed and enters airways.  
Eye Irrit. 2 :Causes serious eye irritation.  
STOT SE 3 :May cause drowsiness or dizziness.

#### 2.2 Label elements

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

Product Name SD30 Non-Aqueous Developer Aerosol  
(Contains: Toluene)

Hazard Pictogram(s)



GHS02



GHS04



GHS07



GHS08



## SD30 Non-Aqueous Developer Aerosol

|                            |  |
|----------------------------|--|
| Signal Word(s)             | Danger   |
| Hazard Statement(s)        | H222: Extremely flammable aerosol.<br>H229: Pressurised container: May burst if heated.<br>H304: May be fatal if swallowed and enters airways.<br>H319: Causes serious eye irritation.<br>H336: May cause drowsiness or dizziness.<br>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.<br>P211: Do not spray on an open flame or other ignition source.<br>P251: Do not pierce or burn, even after use.<br>P261: Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P405: Store locked up.<br>P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.<br>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)     |
|---------------------------------------|------------|---------------------------------|-------|--|-------------------------|
| Acetone                               | 67-64-1    | 200-662-2                       | 50-80 | Flam. Liq. 2 H225<br>Eye Irrit. 2 H319<br>STOT SE 3 H336   | GHS02<br>GHS07          |
| Petroleum gases, liquefied, sweetened | 68476-86-8 | 270-705-8                       | 10-30 | Flam. Gas 1A H220<br>Press. Gas H280   | GHS02<br>GHS04<br>GHS08 |
| Toluene                               | 108-88-3   | 203-625-9                       | <1    | Flam. Liq. 2 H225<br>Asp. Tox. 1 H304<br>Skin Irrit. 2 H315<br>STOT SE 3 H336<br>Repr. 2 H361d<br>STOT RE 2 H373 | GHS02<br>GHS08<br>GHS07 |

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   | Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. |
| Skin Contact | In case of skin contact, Immediately wash with water and soap and rinse thoroughly.                            |



## SD30 Non-Aqueous Developer Aerosol

- Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor.
- 4.2 Most important symptoms and effects, both acute and delayed**  
May cause irritation.
- 4.3 Indication of any immediate medical attention and special treatment needed**  
Call a POISON CENTRE/doctor if you feel unwell. Treat symptomatically.

### 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**  
Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Stop leak if safe to do so. Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.
- 6.2 Environmental precautions**  
Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
- 6.3 Methods and material for containment and cleaning up**  
Adsorb 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. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed. Store locked up.  
Do not expose to temperatures exceeding 50°C/ 122°F.  
Stable under normal conditions.  
None known.
- Storage temperature  
Storage life  
Incompatible materials
- 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

| Occupational Exposure Limits |         |                     |                       |            |              |      |
|------------------------------|---------|---------------------|-----------------------|------------|--------------|------|
| SUBSTANCE.                   | CAS No. | LTEL (8 hr TWA ppm) | LTEL (8 hr TWA mg/m³) | STEL (ppm) | STEL (mg/m³) | Note |
| Acetone                      | 67-64-1 | 500                 | 1210                  | 1500       | 3620         |      |



## SD30 Non-Aqueous Developer Aerosol

|         |          |    |     |     |     |    |
|---------|----------|----|-----|-----|-----|----|
| Toluene | 108-88-3 | 50 | 191 | 100 | 384 | Sk |
|---------|----------|----|-----|-----|-----|----|

Region  
United Kingdom

Source  
UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark  
Sk

Notes  
Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

## 8.2.2. Personal protection equipment



Eye Protection

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



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



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 Avoid release to the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

|  |                             |
|--|-----------------------------|
| Physical state   | Aerosol                     |
| Colour   | White                       |
| Odour  | Characteristic like Acetone |
| Melting point/freezing point                             | Not known.                  |
| Boiling point or initial boiling point and boiling range | Not applicable.             |
| Flammability   | Flammable.                  |
| Lower and upper explosion limit                          | 1.5 Vol% / 13 Vol%          |
| Flash Point  | -80°C, Basis: Propellant    |
| Auto-ignition temperature                                | Not applicable              |
| Decomposition Temperature                                | Not determined              |
| pH   | Not determined              |
| Kinematic Viscosity                                      | Not determined              |

Partition coefficient n-octanol/water (log value) Not determined

Relative vapour density Not determined

Particle characteristics Not determined

**9.2 Other information**

Explosive properties The product is not explosive. However, formation of explosive air/vapour mixtures are possible

Vapour pressure 8,300hPa @ 20°C, Basis:Propellant



### SD30 Non-Aqueous Developer Aerosol

Aerosol Spray Can Internal Pressure (at 20°C) 4.5 bar  
 Aerosol Spray Can Internal Pressure (at 50°C) 9 bar  
 Density (g/ml)@25°C 0.88  
 VOC (EU) 82.99%  
 Solid content <15%

#### 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:<br>Acetone: LD50 Oral (rat)****5,800mg/kg / LD50 Dermal (rbt)****20,000mg/kg |
| Acute toxicity - Skin Contact  | Low acute toxicity  |
| Acute toxicity - Inhalation    | Low acute toxicity  |
| Skin corrosion/irritation      | Non-irritant  |
| Serious eye damage/irritation  | Self classification: Causes serious eye irritation.<br>Causes serious eye irritation              |
| 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         | Self classification: May cause drowsiness or dizziness.   |
| STOT - repeated exposure       | Not classified  |
| Aspiration hazard              | Self classification: May be fatal if swallowed and enters airways.                                |

##### 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



### SD30 Non-Aqueous Developer Aerosol

- 12.6 Endocrine disrupting properties Not known.
- 12.7 Other adverse effects None known.
- Not known.

#### SECTION 13: DISPOSAL CONSIDERATIONS

##### 13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill.

##### 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

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 -

V14

Packages

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading, CV9 CV12

Unloading and Handling

Special Provisions for Carriage -

S2

Operation

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



### SD30 Non-Aqueous Developer Aerosol

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)                                   | 10L              |
| Code   |                  |
| 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

#### 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) Toluene (108-88-3)

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

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

#### National regulations

US NFPA ratings



## SD30 Non-Aqueous Developer Aerosol



: 2; NFPA fire hazard

NFPA health 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



GHS08



GHS07

GHS04: GHS: Gas cylinder

Hazard classification

Flam. Gas 1A : Flammable gas Category 1A  
Aerosol 1 : Aerosol, Category 1  
Flam. Liq. 2 : Flammable liquid, Category 2  
Press. Gas : Gases under pressure  
Asp. Tox. 1 : Aspiration hazard, Category 1  
Skin Irrit. 2 : Skin corrosion/irritation, Category 2  
Eye Irrit. 2 : Serious eye damage/irritation, Category 2  
STOT SE 3 : Specific target organ toxicity — single exposure, Category 3

Repr. 2 : Reproductive toxicity, Category 2  
STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2

Hazard Statement(s)

H220: Extremely flammable gas.  
H222: Extremely flammable aerosol.  
H225: Highly flammable liquid and vapour.  
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.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.  
H340: May cause genetic defects.  
H350: May cause cancer.  
H361d: Suspected of damaging the unborn child.  
H373: May cause damage to organs through prolonged or repeated exposure.





### SD30 Non-Aqueous Developer Aerosol

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.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash hands and exposed skin thoroughly after handling.  
 P271: Use only outdoors or in a well-ventilated area.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTRE/doctor. Do NOT induce vomiting.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312: Call a POISON CENTRE/doctor if you feel unwell.  
 P337+P313: If eye irritation persists: Get medical advice/attention.  
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
 P405: Store locked up.  
 P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

#### Acronyms

P501: Dispose of contents in accordance with local, state or national legislation.  
 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  
 Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. 3AK Chemie gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. 3AK Chemie accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.