



## SC20 Cleaner 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 SC20 Cleaner 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  
PC9a Coatings and paints, thinners, paint removers  
PC35 Washing and cleaning products (including solvent based 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 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 SC20 Cleaner Aerosol  
(Contains: Toluene)

Hazard Pictogram(s)



GHS02



GHS04



GHS07



GHS08



## SC20 Cleaner Aerosol

Signal Word(s)	Danger
Hazard Statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H304: May be fatal if swallowed and enters airways. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. 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. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405: Store locked up. 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.
<b>2.3 Other hazards</b>	None known.
<b>2.4 Additional Information</b>	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	50-60	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
Petroleum gases, liquefied, sweetened	68476-86-8	270-705-8	10-30	Flam. Gas 1A H220 Press. Gas H280	GHS02 GHS04 GHS08
Toluene	108-88-3	203-625-9	<15	Flam. Liq. 2 H225 Asp. Tox. 1 H304 Skin Irrit. 2 H315 STOT SE 3 H336 Repr. 2 H361d STOT RE 2 H373	GHS02 GHS08 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	After contact with skin, take off immediately all contaminated clothing, and wash



## SC20 Cleaner Aerosol

- Eye Contact immediately with plenty of soap and water.  
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.	LTTEL (8 hr TWA)	LTTEL (8 hr TWA)	STEL	STEL	Note



## SC20 Cleaner Aerosol

		(ppm)	(mg/m <sup>3</sup> )	(ppm)	(mg/m <sup>3</sup> )	
Acetone	67-64-1	250	594	500	1187	ACGIH TLV, A4
Acetone	67-64-1	500		750		OSHA PEL, C = 3000ppm
Acetone	67-64-1	250	590			NIOSH REL Z-1
Acetone	67-64-1	1000	2400			OSHA PEL Z-1
Toluene (Toluol)	108-88-3	20				ACGIH TLV, A4, OTO
Toluene	108-88-3	10		150		CAL/OSHA Z-2, Ceiling 500ppm
Toluene (Toluol)	108-88-3	100	375	150	560	NIOSH REL Z-1
Toluene	108-88-3	100		150		NIOSH REL Z-2
Toluene (Toluol)	108-88-3	200		300		OSHA PEL Z-1, C
Toluene (Toluol)	108-88-3	200		500		OSHA PEL Z-1, (I1)
Toluene	108-88-3	200		300		OSHA PEL Z-2
Toluene	108-88-3	500				OSHA PEL Z-2 Peak, (2f)

Remark	Notes
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2024
A4	Not Classifiable as a Human Carcinogen
OSHA PEL	Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs), 2019
NIOSH REL Z-1	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week, 2022
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table, 2022
OTO	Ototoxicant. The designation "OTO" for hearing disorders in the "Notations" column highlights the potential for a chemical to cause hearing impairment alone or in combination with noise, even below 85 dBA.
CAL/OSHA Z-2	California Division of Occupational Safety and Health (CAL-OSHA) Permissible Exposure Limits (PELs) table Z-2, 2019
Ceiling 500ppm	A ceiling limit of 500ppm applies for Short Term Exposure Limit
NIOSH REL Z-2	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-2: Up to 10-hour time weighted average (TWA) during a 40-hour work week, 2019
C	Ceiling limit of Short-term Exposure Limit
(I1)	10-min peak, once per 8-hr shift for short term exposure limit
OSHA PEL Z-2	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000 Z-2 Table, 2019
OSHA PEL Z-2 Peak	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELS) from 29 CFR 1910.1000 Z-2 Table, 2019.
(2f)	Acceptable maximum peak above acceptable ceiling concentration for an 8-hr shift.
	Maximum duration of 10 minutes

Biological Exposure Indices						
Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Acetone	67-64-1	End of shift	urine	Acetone	25 mg/L	Ns
Toluene	108-88-3	End of shift	urine	p-Cresol	0.3 mg/g creatinine	#, B
Toluene	108-88-3	End of shift	urine	Toluene	0.03 mg/L	
Toluene	108-88-3	Prior to last shift of workweek	blood	Toluene	0.02 mg/L	

Remark	Notes
#	with hydrolysis
B	Background
b	After exposure to soluble compounds
Ns	Nonspecific

## 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).





## SC20 Cleaner Aerosol



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  
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	Colourless
Odour	Characteristic
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 determined
Decomposition Temperature	Not determined
pH	Not determined
Kinematic Viscosity	Not determined

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

Relative vapour density Not known.  
Particle characteristics Not determined

#### 9.2 Other information

Vapour pressure	8,300hPa, Basis: Propellant
Density (g/ml) @25°C	0.79
Solubility (Water)	Partly Miscible
Organic solvents	100%
VOC (EU)	100%

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

### 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.



## SC20 Cleaner Aerosol

### 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: Acetone: LD50 Oral (rat)***5,800mg/kg
Acute toxicity - Skin Contact	Self classification: Acetone: LD50 Dermal(rbt)***20,000mg/kg,
Acute toxicity - Inhalation	Self classification: Acetone: LC50 Inhalation (rat)***76mg/l 4hrs.
Skin corrosion/irritation	Non-irritant
Serious eye damage/irritation	Self classification: 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

Ecology-general: May cause long-term adverse effects in the aquatic environment.

### 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 known.

### 12.6 Endocrine disrupting properties

None known.

### 12.7 Other adverse effects

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

**SC20 Cleaner Aerosol****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 - Packages V14

Packages

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading, CV9 CV12

Unloading and Handling

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 Y203

Quantities Packing Instructions

Passenger and Cargo Aircraft Limited 30Kg G

Quantities Max net Qty

Passenger and Cargo Aircraft Packing Instructions 203

Passenger and Cargo Aircraft Max net Qty

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



## SC20 Cleaner Aerosol



### 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



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



GHS08



GHS07





## SC20 Cleaner Aerosol

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.  
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.  
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

### Acronyms

**SC20 Cleaner Aerosol**

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 Regulation (EC) No. 1272/2008 (CLP)  
data used to compile the SDS

Training Advice  
Disclaimers

Regular safety training as appropriate  
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