

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/24/2019

Reviewed on 09/24/2019

1 Identification

- **Product identifier**

- **Trade name:** STAUF SCL-90
- **CAS Number:**
67-64-1
- **EC number:**
200-662-2
- **Index number:**
606-001-00-8

- **Details of the supplier of the safety data sheet**

- **Distributor:**

STAUF USA, LLC.
835 Herbert Rd
Cordova, TN 38018, USA
Phone 1-901-820-0007
Fax 1-901-820-0101

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**
acetone

- **Hazard statements**

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- 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.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 3
Reactivity = 0

- **WHMIS-ratings (scale 0 - 4)**



Health = 2
Fire = 3
Reactivity = 0

- **Results of PBT and vPvB assessment**
- *PBT*: Not applicable.
- *vPvB*: Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**
67-64-1 acetone
- **Identification number(s)** not available
- *EC number*: 200-662-2
- *Index number*: 606-001-00-8

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complications.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
· *Most important symptoms and effects, both acute and delayed* No further relevant information available.
· *Indication of any immediate medical attention and special treatment needed*
No further relevant information available.

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5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Wear protective clothing.
- **Environmental precautions:**
Prevent seepage into sewage system, workpits and cellars.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 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.
- **Protective Action Criteria for Chemicals**

· PAC-1:	
	200 ppm
· PAC-2:	
	3200* ppm
· PAC-3:	
	5700* ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Prevent impact and friction.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
· *Requirements to be met by storerooms and receptacles:* Store in a cool location.
· *Information about storage in one common storage facility:* Not required.

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- *Further information about storage conditions:*
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

Components with limit values that require monitoring at the workplace:

67-64-1 acetone

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm Long-term value: 594 mg/m ³ , 250 ppm
BEI	

Ingredients with biological limit values:

67-64-1 acetone

BEI	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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- *Additional information:* The lists that were valid during the creation were used as basis.

Exposure controls

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.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

Breathing equipment:

- Not necessary if room is well-ventilated.
- Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands: Not required.

Material of gloves

Butyl rubber, BR

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.

Eye protection:



Tightly sealed goggles

- *Body protection:* Protective work clothing

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Color:	Colorless
· Odor:	Characteristic
· Odor threshold:	Not determined.

· **pH-value:** 5.5

· Change in condition

Boiling point/Boiling range: 55.8-56.6 °C (132.4-133.9 °F)

· **Flash point:** -17 °C (1.4 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** >465 °C (>869 °F)

· *Decomposition temperature:* Not determined.

· **Auto igniting:** Not determined.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits:

<i>Lower:</i>	2.6 Vol %
<i>Upper:</i>	13 Vol %

· **Vapor pressure at 20 °C (68 °F):** 233 hPa (174.8 mm Hg)

· **Density at 20 °C (68 °F):** 0.79 g/cm³ (6.59255 lbs/gal)

· *Relative density* Not determined.

· *Vapor density* Not determined.

· *Evaporation rate* Not determined.

· Solubility in / Miscibility with

Water: Not determined.

· **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity:

<i>Dynamic at 20 °C (68 °F):</i>	32 mPas
<i>Kinematic:</i>	Not determined.
<i>Organic solvents:</i>	100.0 %
<i>VOC Content:</i>	0.00 %
	100.00 %

· **Other information** No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.

· Chemical stability

· *Thermal decomposition / conditions to be avoided:* No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

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- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- *LD/LC50 values that are relevant for classification:*

67-64-1 acetone

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (Ratte)
Inhalative	LC50/48 h	76 mg/l (rat)

- **Primary irritant effect:**
- *on the skin:* No irritant effect.
- *on the eye:* Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

Substance is not listed.

- **NTP (National Toxicology Program)**

Substance is not listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** If product has aged or solidified conventional means of disposal are acceptable.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1090
- **UN proper shipping name**
- **DOT** Acetone
- **ADR** 1090 ACETONE
- **IMDG, IATA** ACETONE
- **Transport hazard class(es)**

- **DOT**



- **Class** 3 Flammable liquids
- **Label** 3

- **ADR, IMDG, IATA**



- **Class** 3 Flammable liquids
- **Label** 3
- **Packing group**
- **DOT, ADR, IMDG, IATA** II
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Warning: Flammable liquids
- **Danger code (Kemler):** 33
- **EMS Number:** F-E,S-D
- **Stowage Category** E
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **Transport/Additional information:**

- **ADR**
- **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

- **IMDG**
- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

- **UN "Model Regulation":** UN 1090 ACETONE, 3, II

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15 Regulatory information

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

· *Sara*

· *Section 355 (extremely hazardous substances):*

Substance is not listed.

· *Section 313 (Specific toxic chemical listings):*

Substance is not listed.

· *TSCA (Toxic Substances Control Act):*

ACTIVE

· *Hazardous Air Pollutants*

Substance is not listed.

· *Proposition 65*

· *Chemicals known to cause cancer:*

Substance is not listed.

· *Chemicals known to cause reproductive toxicity for females:*

Substance is not listed.

· *Chemicals known to cause reproductive toxicity for males:*

Substance is not listed.

· *Chemicals known to cause developmental toxicity:*

Substance is not listed.

· *Canadian Ingredient disclosure list*

· *Limit 0,1%*

Substance is not listed.

· *Limit 1%*

Substance is listed.

· *Carcinogeny categories*

· *EPA (Environmental Protection Agency)*

I

· *TLV (Threshold Limit Value established by ACGIH)*

A4

· *MAK (German Maximum Workplace Concentration)*

Substance is not listed.

· *NIOSH-Ca (National Institute for Occupational Safety and Health)*

Substance is not listed.

· **National regulations:**

· *Technical instructions (air):*

Class	Share in %
NK	50-100

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Technical Department
- **Contact:** Wolfgang Stauf, Phone 901-820-0007, Email wolfgang.stauf@staufusa.com
- **Date of preparation / last revision** 09/24/2019 / -
- **Abbreviations and acronyms:**
 - Flam. Liq. 2: Flammable liquids – Category 2
 - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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