

SHARPERTEK®

Safety Data Sheet
SC31 CONCENTRATE

Section 1 – Product and Company Information

Product Identifiers

Name SC31 Concentrate
Number SC31
Brand Sharpertek
Product Use Formulated for industrial use only for use in mass finishing processes for both ferrous and non-ferrous metals.

Supplier

Name Sharpertek
Address 486 S Opdyke Rd. Pontiac, MI 48341 www.Sharpertek.com
Telephone (248) 340-0593 - (248) 340-6189 Fax
Emergency Phone (800) 424-9300 CHEMTREC - Poison Control 1-800-222-1222
Prepared/Revised April 10, 2016

Section 2 – Hazard Identification

GHS Classification and Hazard Statements in accordance with 29 CFR 1910 (OSHA HCS)

Physical Hazard Not Classified
Health Hazards Eye Damage / Irritation (Category 2B), H320 Causes eye irritation.
Environmental Hazards Not Classified.

GHS Label elements and precautionary statements

Pictogram: None
Signal word: **WARNING**
Prevention Wash skin thoroughly after handling.
Response If skin irritation persists: Get medical advice/ attention.
IF IN EYES: 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.

Storage None
Disposal None

Hazards not otherwise classified or not covered by GHS.

HMIS Rating: Health hazard: 2 Chronic Health Hazard: Flammability: 0 Physical Hazard 0
NFPA Rating: Health hazard: 2 Fire Hazard: 0 Reactivity Hazard: 0

Supplemental Information

See Section 16 for alphanumeric H-Statements and P-Statements.

Section 3 – Composition/Information on Ingredients

Component	CAS	% Wt.
Citric acid	77-92-9	5-10
Sodium Citrate	68-04-2	5-10
Amphoteric Surfactant	61791-25-1	5-10

This composition consists of a combination of ingredients. The ones potentially contributing to classified hazards are reported above. The above chemistries are provided for industrial hygiene and environmental purposes and not specifications.

Section 4 – First Aid Measures

Description of first aid measures

General advice: Move out of dangerous area. Consult a physician. Show this SDS to doctor and first responders.

In case of 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.

In case of skin contact: Wash with plenty of water. Take off all contaminated clothing. Wash contaminated clothing before reuse. Seek immediate medical attention if you feel unwell.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Contact a POISON CENTER/doctor/see immediate medical attention.

If swallowed: Immediately call a POISON CENTER/doctor/ Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed: See Sections 2 and 11.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

Section 5 – Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use dry chemical, CO₂, water spray, alcohol-resistant foam or other foaming agents.

Unsuitable Extinguishing Media: Do not use direct water stream to avoid spreading fire and splattering chemicals.

Special hazards arising from the substance or mixture: Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiate at sufficient concentrations).

Advice for firefighters: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).

Further information: If employees are expected to fight fires, training and equipment information can be found in OSHA Fire Brigades Standard (29 CFR 1910.156).

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep people away from and upwind of spill/leak. Avoid breathing dust/fume/gas/mist/spray. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation or wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Contact state department of environmental protection or regional office of the federal Environmental Protection Agency (EPA) for specific recommendations in case of spillage to drain/aquatic environment.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Evacuate personnel and secure and control entrance to the area. Eliminate all ignition sources.

Small spills: Absorb liquids in vermiculite, dry sand, earth, or a similar material. Vacuum dry chemicals to avoid creating dust. Dispose of contents/container to an approved waste disposal plant. Never return spills to original containers for re-use. Use water spray to disperse vapors.

Large spills: Dike to contain liquids and cover to contain solids for removal.

Reference to other sections-resources: For additional information, refer to Section 8: Exposure Controls and Personal Protection, Section 7: Handling, Section 12: Ecological Information, Section 13: Disposal Considerations and OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120).

Section 7 – Handling and Storage

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin and eyes. Do not breathe dust/gas/fume/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. If exposed or concerned, contact poison center/first responder/physician.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Avoid temperature extremes. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use: See Section 1.

Section 8 – Exposure Control and Personal Protection

Control parameters

Guidelines may not apply to every situation. Industrial hygiene evaluations should be completed at each work place. Exposure limits are for air levels only. Skin contact can cause overexposure, even though air levels are less than the limits.

Component Workplace Exposure Limits

Citric acid (77-92-9) TLV/TWA (ACGIH): 10 mg/m³ (respirable); PEL/TWA (OSHA): 3mg/m³ (respirable)

Sodium Citrate (68-04-2): Component as no occupational exposure limit values.

Amphoteric Surfactant (61791-25-1): OSHA PEL CLV 25 ppm 125 mg/m³; ACGIH TLV CLV 25 ppm.

Exposure controls

Appropriate engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Facilities storing, packaging or utilizing product should be equipped with an eyewash and a safety shower facility. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Safety glasses and chemical resistant gloves are recommended. Guidelines may not apply to every situation. Obtain detailed information from OSHA Personal Protective Equipment Standard (29 CFR 1910.132) and equipment suppliers.

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good practices. Wash and dry hands.

Respiratory protection: Use when overexposure potential. Improper use of respirators is dangerous. Respirators should only be used with a written program as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Control of environmental exposure: Do not let product enter drains. Discharge into the environment must be avoided.

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

Form: Liquid

Color: Blue, Transparent

Odor: Mild

Odor Threshold: N/A

Boiling Point/Range: >212°F

Flash Point: Not Combustible

Auto Ignition Temp: N/A

Flammability Limit - LEL: N/A - UEL: N/A

Vapor Pressure: As Water

Vapor Density: As Water

Freezing Point/Melting Point: N/A

Solubility (Water): 100%

Specific Gravity: 1.06

Evaporation Rate (Ethyl ether = 1): N/A

Viscosity: Non-viscous

pH: 4.6 (4.9 @1%)

Other safety information

Volatility (wt. %): 0

Physical Data is typical values based on material tested, but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

Section 10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: When in contact with incompatible materials.

Conditions to avoid: Avoid incompatible materials and excessive heat or cold.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Does not decompose under normal conditions.

Other decomposition products: During fire, thermal decomposition can produce carbon monoxide and carbon dioxide (asphyxiates at sufficient concentrations).

Section 11 – Toxicity Information

Information on Toxicological Effects

Component toxicity

Citric Acid (77-92-9): Acute toxicity LD50 Oral - Rat - 5,400 mg/kg (OECD Test Guideline 401) Inhalation: No data available
LD50 Dermal - Rat - > 2,000 mg/kg (OECD Test Guideline 402)

Amphoteric Surfactant (61791-25-1): Acute Toxicity/Effects Oral Type of value: LD50 Species: rat Value: > 500 - < 2,000 mg/kg Inhalation Type of value: ATE Value: > 20.0000 mg/l Determined for vapor Type of value: ATE Value: > 5.0000 mg/l Determined for mist Dermal Type of value: ATE Value: > 5,000 mg/kg Irritation / corrosion Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation. Information on: 2-methylpentane-2,4-diol Assessment of irritating effects: Skin contact causes irritation. Eye contact causes irritation. Skin Species: rabbit Result: non-irritant Eye Species: rabbit Result: Irritant.

Sodium Citrate (68-04-2): No data available.

Mixture toxicity

Inhalation – Dermal - Skin corrosion/irritation - Eye damage/eye irritation – Respiratory/skin sensitization - Germ cell mutagenicity – Reproductive toxicity - Specific target organ toxicity - single exposure - Specific target organ toxicity - repeated exposure - Aspiration hazard: All no data available - Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is classified as a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

Additional Information

None known.

Section 12 – Ecological Information

Ecotoxicity

Component ecotoxicity

Citric Acid (77-92-9) Toxicity to fish mortality LC50 - *Leuciscus idus melanotus* - 440 mg/l - 48 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrate static test - *Daphnia magna* (Water flea) - 1,535 mg/l - 24 h

Amphoteric Surfactant (61791-25-1): Toxicity to fish LC50 (96 h) 1 - 10 mg/l, *Leuciscus idus* Aquatic invertebrates EC50 (48 h) 1 - 10 mg/l

Sodium Citrate (68-04-2): No data available.

Mixture ecotoxicity

Toxicity to Fish - Persistence and Biodegradability - Bioaccumulative Potential - Mobility in Soil: No data available for mixture.

Other adverse effects

None known.

Section 13 – Disposal Consideration

Waste treatment methods

See Section 15 for ingredients listed under current RCRA regulations (40 CFR 261.31, 32 and 33), Comprehensive Environmental Response, Compensation (CERCLA) Table 302.4, 40 CFR part 302, and SARA TITLE III: (Superfund Amendments and Reauthorization Act) Sections 301-313.

Product: Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 – Transport Information

DOT: Not Regulated – **IATA:** Not Regulated – **IMDG:** Not Regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative.

Section 15 – Regulatory Information

TSCA: Components of this product are listed on the TSCA Inventory.

RCRA: None of the ingredients are currently listed as a substance or a source waste under current RCRA regulations (40 CFR 261.31, 32 and 33).

CERCLA: Product is not found on Table 302.4, 40 CFR part 302.

SARA TITLE III: (Superfund Amendments and Reauthorization Act)

302 Components: None are subject to the reporting requirements of Section 302.

313 Components: None that exceed the threshold (De Minimis) reporting levels established by Section 313.

311/312 Hazards: Acute Health

States

State Right to Know Components: PA and NJ: Citric acid (77-92-9) - Sodium Citrate (68-04-2) - Amphoteric Surfactant (61791-25-1)

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada

DSL: This product, or its components, are listed on or are exempt from the Canadian Domestic Substances List.

WHMIS: Citric Acid: E (Corrosive Material strong acid (pH of 3M saturated solution = 1,2) - Disclosure at 1,0% according to the Ingredient disclosure list- Sodium Citrate - Amphoteric Surfactant: Uncontrolled product according to WHMIS classification criteria

Section 16 – Other Information

Full alphanumeric H-Statements and P-Statements.

H320 Causes eye irritation.

P264 Wash skin thoroughly after handling.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If eye irritation persists: Get medical advice/ attention.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.