

SAFETY DATA SHEET



Date issued : 02/14/2007

SDS number : PF700

Date revised : 08/29/2024

Revision number : 4

Qualitek® Water Soluble Paste Flux PF700

1. Identification

Product identifier: Qualitek® Water Soluble Paste Flux PF700

Product description: Water Soluble Paste Flux

Manufacturer / Supplier

Qualitek International, Inc.
315 Fairbank St.
Addison, IL 60101

Emergency Phone: (800) 535-5053

Customer Service: (630) 628-8083

Emergency telephone number (24 hour)

1-800-535-5053 Infotrac

1-352-323-3500 Outside the U.S.

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Eye Irritation, Category 2A

Label elements



Exclamation
mark

Signal word: WARNING

Hazard statement(s)

H319: Causes serious eye irritation.

Precautionary statement(s)

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash hands thoroughly after handling.

Response:

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.

Disposal:

P501: Dispose of contents/container in accordance to local/regional/national/international regulations.

Potential health effects

Eye: Fumes from this and other soldering products may cause eye irritation.

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Ingestion: Ingestion of this or other soldering products may cause headache, nausea, and muscular pain.

Inhalation: Inhalation of the fumes from this or other soldering products may cause headache, nausea and muscular pain.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Amines, tallow alkyl, ethoxylated	< 40	61791-26-2
Diethylene Glycol Dibutyl Ether	< 30	112-73-2

4. First-aid measures

Eye: MOLTEN PRODUCT: Cool burns with plenty of low-pressure water. Get immediate medical attention. SOLID PRODUCT: Remove any contact lenses. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention if irritation develops.

Skin: MOLTEN PRODUCT: Immediately cool skin burns with water and cold packs for at least 15 minutes. Do not put ice directly on the skin. Do not attempt to remove solidified product from the skin, as damage may result. Get immediate medical attention. SOLID PRODUCT: Immediately wash skin with soap and copious amounts of water. Use lotion to prevent dryness. Get medical attention if irritation develops.

Ingestion: If victim is conscious, give several glasses of water and keep the airway clean. Get medical attention.

Inhalation: Move person to fresh air. If breathing is stopped or is labored, give assisted respiration (e.g. mouth-to-mouth). Supplemental oxygen may be used. Get medical attention.

Most important symptoms and effects, both acute and delayed

Chronic effects: Prolonged or repeated exposure due to ingestion may cause anemia, insomnia, weakness, constipation and abdominal pain. Prolonged or repeated exposure due to skin exposure and inhalation may cause skin rash and damage to the mucous membranes.

Comments: If victims of chemical over-exposure are taken for medical attention, give a copy of the label or this SDS to the physician/health care professional.

5. Fire-fighting measures

Suitable extinguishing media: Carbon dioxide, dry chemical or appropriate foam. Water may be effective for cooling containers but not for extinguishing.

Explosion hazards: Closed containers may explode when exposed to fire conditions.

Fire fighting equipment: Self contained breathing apparatus and full protective turn-out gear.

6. Accidental release measures

General procedures: Scoop up material and deposit in appropriate containers. Clean up residual spill area with isopropanol or detergent water.

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7. Handling and storage

General procedures: Store in a cool dry place away from incompatible materials. Keep away from heat, flame, sparks and other sources of ignition. Keep containers closed when not in use.

8. Exposure controls/personal protection

Appropriate engineering controls: Local exhaust may be necessary if working with the product in enclosed areas or at elevated temperatures.

Individual protection measures, such as personal protective equipment

Eye / face protection: Face shield, safety glasses with side shield or chemical splash goggles.

Skin protection - hand protection: Rubber, chemical resistant gloves. When material is heated, wear gloves to protect against thermal burns.

Respiratory protection: Not normally needed in well ventilated areas. If the ventilation is insufficient to remove smoke from soldering processes, use NIOSH/MSHA approved cartridge type respirator.

Skin protection - other: Protective clothing and safety shoes as necessary to minimize contact.

Occupational hygiene practices: Good personal hygiene practices should be used. Wash after any contact, before eating, and at the end of the work period.

Other use precautions: Eye wash station and quick drench safety shower in immediate work area.

9. Physical and chemical properties

Appearance: Smooth dark brown paste.

Odor: Mild

Melting point: > 100°C (212°F)

Initial boiling point and boiling range: 300°C (572°F) @ 760 mmHg

Flash point: > 204°C (400°F)

Lower explosion limit / flammability limit: N/E

Vapor pressure: Not Determined

Relative vapor density: Not Determined

Solubility: Complete

Auto-ignition temperature: > 227°C (440°F)

10. Stability and reactivity

Dangerous polymerization: Will not occur.

Chemical stability: Stable.

Hazardous decomposition products: Under fire conditions carbon dioxide and carbon monoxide may be evolved.

Incompatible materials: Strong acids and strong oxidizers should be avoided..

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11. Toxicological information

Carcinogenicity

IARC: Not listed.

NTP: Not listed.

OSHA: Not listed.

12. Ecological information

Other adverse effects: No information on ecological toxicity or biodegradability is available at this time.

13. Disposal considerations

Disposal methods: Dispose of this material, contaminated absorbent material and other contaminated materials in an approved waste disposal facility, according to all applicable Federal, State, and Local regulations. Recovery and reuse, rather than disposal, should be the ultimate goal in handling efforts.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not regulated by DOT

ICAO / IATA - air

UN proper shipping name: Not regulated

IMO / IMDG - International

UN proper shipping name: Not regulated

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Not considered a hazard.

313 reportable ingredients: None.

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
Amines, tallow alkyl, ethoxylated	61791-26-2

TSCA Status: All ingredients are listed or are exempt from listing (as polymers) on the Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Proposition 65: When used for soldering and similar applications chemicals may be produced which are known to some states to cause birth defects or other reproductive harm.

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16. Other information

Reason for issue: New format

Approved by: P. Han **Title:** Technical Director

Prepared by: Dinesh Amin **Date revised:** 08/29/2024

Information contact: (630) 628-8083

Revision summary: This SDS replaces the 04/21/2015 SDS. Revised: **Section 1:** Prepared by, Title. **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating

Health	<input type="checkbox"/>	2
Flammability	<input type="checkbox"/>	1
Physical hazard	<input type="checkbox"/>	0
Personal protection	<input type="checkbox"/>	B

Manufacturer disclaimer: The information contained herein is based upon data considered to be accurate and is offered solely for information, customer consideration and investigation. The manufacturer extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any purchaser's use. The content of this Safety Data Sheet relates only to this product as sold and does not relate to use with any other material or in any process. All chemical products should be used only by, or under, the direction of technically qualified personnel, who are aware of the hazards involved and of the necessity for reasonable care in handling. Hazard communication regulations, United States Occupational Health and Safety (OSHA) and Canadian Workplace Hazardous Materials Information System (WHMIS) require that employees must be trained in the use of Safety Data Sheets as a source of hazards information and response.