

1. Identification

Product identifier SUPREME RED

METALWORKING FLUID

Other means of identification

SDS number Not applicable

Recommended use METALWORKING FLUID

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name SALEM Fabrication Supplies

Address 5901 Gun Club Road

Winston-Salem, NC 27103

Telephone Telephone 1-800-234-1982

E-mail Not available.

Emergency phone number Telephone 1-800-424-9300

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Serious eye damage/eye irritation Category 2

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Chemical name Common name and synonyms CAS % number

SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES



Signal word Warning

Hazard statement Causes eye irritation.

Precautionary statement

GO BEYOND THE EDGE

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64742-52-5 3 - 7

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Prevention Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing

dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing

should not be allowed out of the workplace. Avoid release to the environment.

Response IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: 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. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If swallowed: Call a poison center/doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep

> comfortable for breathing. Get medical advice/attention if you feel unwell. Take off contaminated

clothing and wash it before reuse.

Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place. Store away Storage

from incompatible materials. Store in accordance with local/regional/national/international

regulations.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information 3.72% of the mixture consists of component(s) of unknown acute oral toxicity.

3. Composition/information on ingredients

Mixtures

Inhalation

Chemical name	Common name and synonyms	CAS number	%
HEXAHYDRO-1,3,5-TRIS		4719-04-4	1 - 5
(2-HYDROXYETHYL)-S- TRIAZINE			
TRIETHANOLAMINE		102-71-6	1 - 5
Other components below reportable leve	els	60 - 100	

The exact percentages of hazardous ingredients have been withheld as a trade

secret. 4. First-aid measures

normal conditions of intended use, this material is not expected to be an inhalation hazard.

If symptoms are experienced, remove source of contamination or move victim to fresh air. Under

Skin contact Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/attention. Wash clothing

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

Eye contact

present and easy to do. Continue rinsing. Get medical attention immediately.

Rinse mouth thoroughly. Do not induce vomiting. Drink 1 or 2 glasses of water. If vomiting occurs Ingestion

naturally, have victim lean forward to reduce risk of aspiration. Call a POISON CENTER or

doctor/physician if you feel unwell.

separately before reuse.

Most important

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special

treatment needed

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation. Defatting of the skin.

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

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General information

If exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Not applicable, non-combustible.

Specific hazards arising from the chemical

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During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Wear suitable protective equipment.

Fire-fighting equipment/instructions Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Methods and materials for

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Local authorities should be advised if significant spillages cannot be contained. This product is miscible in water.

containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Clean up in accordance with all applicable regulations. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. Handling and storage Precautions for safe handling

Conditions for safe storage, including any incompatibilities Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not breathe vapor. Do not ingest. Do not get this material on clothing. Avoid contact with skin and eyes. Avoid prolonged and repeated contact. Observe good industrial hygiene practices. When using, do not eat, drink or smoke.

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Wash thoroughly after handling. Wash contaminated clothing before reuse. Practice good housekeeping. Handle and open container with care. Do not empty into drains.

To maintain product quality, do not store in heat or direct sunlight. Use care in handling/storage. Keep this material away from food, drink and animal feed. Keep containers closed when not in use. Store in original container. Store away from incompatible materials (see Section 10 of the

SDS). Do not allow material to freeze. Room temperature - normal conditions. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

8. Exposure controls/personal protection Occupational exposure limits

TypeValue

TRIETHANOLAMINE (CAS TWA 5 mg/m3

US. ACGIH Threshold Limit Values

102-71-6)

Appropriate engineering Ensure compliance with applicable exposure limits. Good general ventilation (typically 10 air controls changes per hour) should be used. Ventilation rates should be matched to conditions. If

applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection

Skin protection Wear safety glasses with side shields (or goggles). Do not get in eyes. Eye wash fountain is recommended.

Hand protection Use protective gloves made of: Nitrile.

Other Wear suitable protective clothing and gloves.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations When using, do not eat, drink or smoke. Do not get in eyes, on skin, on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance CLEAR
Physical state Liquid.

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Form Liquid.

Color Not available. Odor **CHEMICAL Odor threshold** Not available.

Ηq 10.1

< 32 °F (< 0 °C) Melting point/freezing point Initial boiling point and boiling > 212 °F (> 100 °C)

range

Flash point Not Applicable

Evaporation rate Like water when diluted

Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit -Not available. lower (%) Flammability limit -Not available. upper (%)

Explosive limit - lower (%) Not

available.

Explosive limit - upper (%) Not

available.

Vapor pressure Not

available.

Vapor density Not

available.

Relative density Not available. Solubility(ies) 100 % Water

Miscible

Partition coefficient (n-

octanol/water)

Not available.

Auto-ignition temperature Not available. **Decomposition temperature** Not available. **Viscosity** Not available.

Other information

pH in aqueous solution 8.9 @ 5% 1.056 Specific gravity **VOC ASTM D2369** 0 %

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

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Possibility of hazardous No dangerous reaction known under conditions of normal use.

reactions

Conditions to avoid Contact with incompatible materials.

Incompatible materials Do not add sodium nitrite or other nitrosating agents which may form cancer

causing nitrosamines. Strong acids. Strong oxidizing agents. Avoid contact with

oxidizers or reducing agents.

Hazardous decomposition

carbon products

Smoke, fumes, oxides of nitrogen, and oxides of

11. Toxicological information

Information on likely routes of exposure

Ingestion May be harmful if swallowed. Expected to be a low ingestion hazard.

Inhalation Prolonged inhalation may be harmful. Health injuries are not known or expected under normal

Skin contact Causes mild skin irritation. Frequent or prolonged contact may defat and dry the skin, leading to

discomfort and dermatitis.

Eye contact Causes eye irritation.

Symptoms related to the physical, chemical and

toxicological characteristics

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation. Defatting of the skin.

Information on toxicological effects

Acute toxicity May be harmful if swallowed.

Test Results Components **Species**

SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES (CAS

64742-52-5) **Acute**

Dermal

LC50 Rabbit

> 5000 mg/kg

Inhalation

LC50 Rat

> 5 mg/l, 4 hours

Oral

LC50 Rat

> 5000 mg/kg

TRIETHANOLAMINE (CAS 102-71-6)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Guinea pig

5300 mg/kg

Rat 8 g/kg

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Other

LD50 Mouse 1450 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation. Defatting, drying and cracking of

Serious eye damage/eye Causes eye irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization

Not classified. Skin Not sensitization

classified.

Germ cell mutagenicity No data available to indicate product or any components present at greater than

0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

TRIETHANOLAMINE (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not classified.

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Specific target organ toxicity -

classified. repeated exposure

Aspiration hazard May be harmful if swallowed and enters airways.

Chronic effects Prolonged exposure may cause chronic effects. Further

Not

information Symptoms may be delayed.

12. Ecological information

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment.

Components **Species Test Results**

SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES (CAS

64742-52-5) Acute

Crustacea EC50 Daphnia > 1000 mg/l, 48 hours

Aquatic Acute

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Fish LC50 Fathead minnow (Pimephales promelas) > 30000 mg/l, 96 hours

TRIETHANOLAMINE (CAS 102-71-6)

Aquatic

Crustacea EC50 Water flea (Ceriodaphnia dubia) 565.2 - 658.3 mg/l, 48 hours Fish LC50 Fathead minnow (Pimephales promelas) 10610 - 13010 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

TRIETHANOLAMINE -1

Mobility in soil This product is miscible in water.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical

ozone creation potential, endocrine disruption, global warming potential) are

expected from this component.

13. Disposal considerations

Disposal instructionsConsult authorities before disposal. Do not contaminate ponds, waterways or ditches with

chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

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. Do not re-use empty containers.

14. Transport information DOT

Not regulated as dangerous goods. IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not available. Annex II of MARPOL 73/78 and the IBC Code

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15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200. It may be reportable under the provisions of SARA Sections 311 and 312 if specific threshold criteria are met or exceeded. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S- 1.0 % One-Time Export Notification

only. TRIAZINE (CAS 4719-04-4)

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Yes chemical

SARA 313

(TRI

reportin

g) Not

regulate

d.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40

CFR 68.130) Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

Food and Drug Not regulated.

Administration (FDA)

US state regulations Product is a hazardous substance as defined under the OSHA Hazard Communication Standard

and may be reportable under the provisions of SARA Sections 311 and 312.

US. Massachusetts RTK - Substance List

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TRIETHANOLAMINE (CAS 102-71-6)

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

TRIETHANOLAMINE (CAS 102-71-6)

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Not

regul

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California South Coast Air

This product is subject to SCAQMD Rule 1144; it is compliant and may be sold and used in the SCAQMD. The VOC content of the product is 0 g/L, measured by ASTM Method E-1868-10.

Quality Management District (SCAQMD) Rule

This product has a specified use dilution VOC limit of 75 g/L, the maximum dilution

1144 (VOC Emissions) concentration is 100 % to maintain compliance.

Inventory name

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Australian Inventory of Chemical Substances (AICS)

Toxic Substances Control Act (TSCA) Inventory

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

International Inventories Country(s) or region

Australia

Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

^{16.} Other information, including date of preparation or last revision

09-11-2014 Issue date **Revision date** 11-05-2014

Version # 02

United States & Puerto Rico

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On inventory or exempt (yes/no)*

No

Yes



Further information Not available.

References ACGIH

NLM: Hazardous Substances Data Base

US. IARC Monographs on Occupational Exposures to Chemical Agents

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 a 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.

Revision Information Composition / Information on Ingredients: Ingredients

Physical & Chemical Properties: Multiple Properties

Toxicological information: Specific target organ toxicity - single exposure

HazReg Data: International Inventories

GHS: Classification

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