

Material Safety Data Sheet

Revision date: 01.03.12

REA-JET TAC-130 Ink

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1. Product and company Identification

Commercial product name

Acetone Black, Blue & Red Low VOC

REA-JET TAC-130 Ink

Product number PANNIER-REA-JET-TAC-130-IJ260-035X-01L

**Emergency telephone: Chemtrec 24-hour telephone # 800-424-9300
International 24-hour telephone # 703-527-3887**

2. Composition

Components

Acetone
Pentan-2-one

CAS No.

67-64-1
107-87-9

Quantity

75-80%
0-5%

3. Hazards Identification

Hazard description:

Irritant
Highly flammable

Information pertaining to particular dangers for man and environment:

Has a narcotizing effect
Highly flammable
Irritating to eyes
Vapors may cause drowsiness and dizziness
Repeated exposure may cause skin dryness or cracking

To avoid risks for humans and environment obtain instructions:

Classification system

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0-4)

Health – 1
Fire – 3
Reactivity – 0

HMIS rating (scale 0-4)

Health – 1
Flammability – 3
Reactivity – 0

Routes of Entry

Ingestion
Inhalation

Target Organs

Eyes

Irritancy

Eyes
Respiratory Tract

Sensitizing Capability

None known

Reproductive Effects

None known

Cancer Information

Not known to be carcinogenic

4. First Aid Measures

After inhalation: Supply fresh air. Consult doctor in case of complaints.

After contact with skin: Generally the product does not irritate the skin.

After contact with eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If swallowed do not induce vomiting. Seek medical attention immediately and show this container or label

5. Fire Fighting Measures

Suitable extinguishing media: Carbon dioxide (CO2). Extinguishing powder. Do not use water.

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For safety reasons unsuitable extinguishing media: Water. Water with full jet.

Protective equipment: No special measures required.

6. Accidental Release Measures

Person –related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for Environmental precautions: Do not allow product to reach sewage system or water course. Prevent seepage into sewage system, work pits, and cellars. Inform respective authorities in case of seepage into water course or sewage system.

Measures for cleaning/collecting: Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

7. Handling and storage

Information for safe handling: Ensure good ventilation /exhaustion at workplace. Prevent formation of aerosols.

Information about protection against explosions and fires: Keep ignition sources away. Do not smoke. Protect against electrostatic charges.

Storage:

Requirement to be met by storerooms and receptacles: Store in cool location.

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

Maximum storage temperature: 120 °F (49 °C)

Minimum storage temperature: 35 °F (2 °C)

8. Exposure controls and personal protection.

Additional information about design of technical systems :No further data. See item 7

Components with limit values that require monitoring at the workplace:

67-64-1 Acetone

PEL	2400 mg/m ³ 1000 ppm
REL	590 mg/m ³ 250 ppm
TLV	Short term value 1782 mg/m ³ 750 ppm Long term value: 1188 mg/m ³ 500 ppm

107-87-9 pentan-2-one

PEL	700 mg/m ³ 200 ppm
REL	530 mg/m ³ 150 ppm
TLV	Short term value 529 mg/m ³ 150 ppm

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.

Avoid contact with eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands: Protective gloves.

The glove material has to be impermeable and resistant to the product/the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and degradation.

Material of gloves

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. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has to therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Protection of eyes; Tightly sealed goggles.

9. Physical and Chemical Properties:

Form: liquid
Color: according to product specification

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Odor:	Characteristic
Melting point:	undetermined
Boiling point:	79 °C (174 °F)
Flash point:	-4 °C (25 °F)
Ignition temperature:	465 °C (869 °F)
Auto igniting:	Product is not self igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Lower explosion limits:	2.6 vol %
Upper explosion limits:	13.0 vol %
Vapor pressure (at 20°C):	233 hPa (175 mm Hg)
Density (at 20°C):	0.83 g/cm ³
Solubility in / Miscibility with Water:	Partly miscible .
Solvent content: organic solvents:	89.6%
Solids content:	10.4%

10. Stability and Reactivity

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

Dangerous reactions: No dangerous reactions known.

Dangerous products of decomposition: No dangerous decomposition products known.

11. Toxicological Information

Acute toxicity:

Primary irritant effect on the skin: No irritant effect.

Primary irritant effect on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

12. Ecological Information

Water hazard class 1 (self assessment): slightly hazardous for water. Do not allow undiluted product to reach ground water or sewage system.

13. Disposal Considerations

Product:

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system

Un-cleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulation regarding disposal.

14. Transport Information

DOT

Hazard class 3

Identification number: UN1210

Packing group: II

ERG: 129

Proper shipping name: Printing ink

Label: 3

Land transport (ADR/RID)

ADR/RID class: 3 Flammable liquids

Hazard-no.: 33

UN number 1210

Packaging group II

Description of goods Printing ink (vapor pressure at 50°C at most 110 kPa)

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Maritime transport IMDG:

IMDG Class: 3
UN number 1210
Label: 3
Packaging group: II
EMS Number: F-E, S-D
Marine pollutant: No
Proper shipping name: printing ink.

Air transport

ICAO/IATA-DGR 3
UN/ID number 1210
Label: 3
ICAO packing group: II
Proper shipping name: printing ink.

15. Regulatory Information

· Cancerogenity categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

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

All ingredients are listed

· OSHA-Ca (Occupational Safety & Health Administration)

All ingredients are listed.

· Product related hazard information:

The product has been classified and marked in accordance with directives on hazardous materials.

· Hazard symbols:

Irritant

Highly flammable

· Risk phrases:

Highly flammable

Irritating to eyes and respiratory system

· Safety phrases:

Keep out of the reach of children.

Do not breathe fumes

Avoid contact with eyes.

If swallowed, seek medical advice immediately and show this container or label.

· National regulations

· Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Other regulations, limitations and prohibitive regulations

· OSHA Regulations

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29 CFR 1910.): Not listed

· Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III, Section 313:

All ingredients are listed.

· CONEG:

This product has not been tested for heavy metals covered under the various CONEG laws. However, raw materials used to make this product do not contain mercury, lead, cadmium, or hexavalent chromium and none are added during manufacture.

· Toxic Substances Control Act TSCA Status:

All components of this product are listed in the EPA's Inventory of Chemical Substances as required under the Toxic Substances Control Act (TSCA).

· California Proposition 65 (Chemicals known to cause cancer):

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This product contains no ingredients on the California Proposition 65 List known to cause cancer.

· **California Proposition 65 (Chemicals known to cause reproductive toxicity):**

This product contains no ingredients on the California Proposition 65 List known to cause reproductive toxicity.

16. Disclaimer of Liability

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