



**Technical Data
Sheet For:**

**INTACHEM™
T-F-R**

Description:
Vehicle, paint and
tile cleaner

Coverage:
1 litre = 5 sq. m of
surface

INTACHEM IS THE TRADE
MARK OF F&D BULK
SERVICES LTD

T-F-R is an industrial strength cleaning product which is usually used when diluted many times. The stronger mixtures are only necessary when tackling greasy/oily surfaces. At full strength it classifies as an irritant mixture, but after dilution, whilst eye and skin protection are recommended, this is an extra safety precaution.

Used effectively to clean vehicle soiling, to clean glass, tiles, paintwork and floor tiles.

Product Description:

T-F-R aqueous formulation of surface active agents, sequesterants, dirt suspending chemicals. Also contains a small amount of sodium hydroxide.

How to use the product:

FOR VEHICLE CLEANING: High pressure water jetting can be used to remove heavy deposits of mud, enabling weaker dilutions of T-F-R to be then used. Whilst the product is suitable for use by applications through bleaching pumps, the use of a brush, sponge or some soft surface (agitation) greatly improves the final result. If the product is to be used at full strength (or stronger than 1 part T-F-R:4 part water) a check test, on a small area of the surface involved, should be carried out before extensive use of the product. **IMPORTANT:** Aluminium surfaces may be corroded by strong concentrations of T-F-R and thorough washing off is necessary.

FOR CLEANING ON TILES/PAINTWORK: a test trial will determine the dilution adequate for the work required.

1. When using water jetting/blending pump unit, normal dilution rates of 1 part:20 parts water is used for the start with a pump pressure of about 1,000psi. Operatives should wear suitable face, skin and clothing protection (including footwear). The blend is directed onto the vehicle body, slowly working from the top to lower areas with the mixture. Having applied the blend all over the surface, the operative can then wash off with clean water taking no longer than 30 minutes. Prolonged contact time with the strong blends within T-F-R are not advisable. Warm water may be used if available.
2. For ceramic or vinyl tiles, floor, glass and paint surface cleaning: The product can be applied (usually at a diluted ratio of 1 part T-F-R to 10 parts water for test patch trial), using a brush sponge or mop to ease the liquor over the surface involved. After a contact time of up to 10 minutes, or immediately if desired, the surface should then be washed down thoroughly, with clean water to remove the surface dirt and debris. Water jetting is preferable. But not essential.
3. Regular, frequent changes of water should be made if washing down from buckets, in order to remove as much dirt as possible.
4. T-F-R is often used for interior masonry cleaning.

General Safety Precautions:

Containers must be stored in a safe place with the caps secured. A trained responsible person(s) should be appointed to ensure security in depots, in transit and on site. Only competent persons should handle this product. Spillages should be dealt with immediately.

Materials to be avoided:

At full strength or if left for long periods on aluminium, this product can cause corrosion.

Protection of Operative:

Although the product contains only a small amount of sodium hydroxide, which only classifies as irritant, even with dilutions of the product, we advise the use of protective equipment for the face, hands, clothes and feet.

A bucket of clean water for emergency use should be at hand and if working off scaffolding nobody should be allowed to pass or work underneath. Work areas and materials used should all be washed down immediately following splashes and at the end of every work period. All personnel handling and using this product should be familiar with the with the correct and recommended methods of handling and use and of all safety requirements affecting their work.

First Aid Advice:

Accidental splashes on the skin or clothing must be washed off immediately with fresh clean water. Contaminated clothing should be removed.

SPLASHES ON THE SKIN: Wash immediately with plenty of water. Solution of 1 part vinegar to 3 parts clean water can be found beneficial to neutralise the alkalinity of the skin and after using the mixture the skin should be washed thoroughly. **SPLASHES IN THE EYES:** Must be immediately irrigated with plenty of clean water. An eyewash of dilute basic acid may be used. **IN ALL CASES OF EXTENSIVE BURNS MEDICAL HELP SHOULD BE SOUGHT IMMEDIATELY.**

Distributed by:



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Ecology:

When diluted, the organic ingredients present are all bio degradable. Wash any splashes off plants or vegetation immediately or protect them with plastic sheeting. Wash down debris as not considered harmful to fish. Water authorities should be consulted about disposal into drains or water courses.

Safety Notes:

1. Always store containers in secure conditions.
2. Keep containers closed when not in use.
3. COSHH Data: T-F-R
4. Hazardous Ingredients: Contains a small quantity of Sodium Hydroxide (less than 1%)
5. Physical Data: A colourless aqueous fluid
6. Solubility: Totally water soluble
7. S G: 1.040—1.085 circa
8. pH Value: 13
9. Hazard classification: Not classified under CoSHH as hazardous, but for extra safety we classify as DANGEROUS SUBSTANCE and IRRITANT
10. Flammability: Non-flammable
11. Fume Hazards: None
12. Other dangers: Protect breathing, skin and eyes from splashes, particularly if using spray application. It could cause skin irritation and would be harmful if swallowed.
13. Handling precautions: Only experienced trained persons should use this product. Wear full hand, face, foot and body protection. Have clean water to hand for emergencies. Store containers in a safe place and ensure caps are closed. Take additional care if using a spray applicator with this product..
14. First Aid—Skin: Wash with plenty of water and seek medical help.
15. First Aid—Eyes: Irrigate with plenty of water and seek medical help.
16. Spillages: Either dilute adequately or absorb into soil and dispose of the debris in the approved manner.
17. Disposal: Ensure adequate dilution before discharge into drains.
18. NEVER leave container full or empty where the public may come into contact with them.
19. ALWAYS fill containers with water before disposing of them.

Spillages:

Either dilute adequately or absorb into soil and dispose of the debris in an approved manner.

Disposal:

Ensure adequate dilution before discharge into the drains.

Important Notice:

The statements above are compiled from our field of production and according to the latest technological developments and application techniques received by us. Since application and working are beyond our control, no liability of the producer (or its agents) can be derived from contents of the information sheet or additional correspondence. All statements made in addition to this sheet must be confirmed in writing by the producer (or its agents). In all cases our general conditions of sale are valid. This data sheet was published 16/05/2006 and supersedes any previous edition.

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