

SunChemical®

SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name: Gem Quickoff MS535-1
Intended use: Solvent based printer's sundry/cleaning fluid

Company details: Coates Lorilleux Phone: 01689 894000
Cray Avenue Fax: 01689 894211
St Mary Cray
Orpington
Kent Emergency phone: 01689 894000
BR5 3PP
United Kingdom

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Name</u>	<u>EINECS no</u>	<u>% range</u>	<u>Symbol</u>	<u>R phrases</u>
Aromatic hydrocarbons	265-199-0>	50	Xn, N	R65, R51/53, R10
Ethoxy propanol	216-374-5<	20	Xi	R36, R10

See section 16 for full text of R phrases.

3. HAZARDS IDENTIFICATION

Health hazard(s) according to 1999/45/EC:
Harmful: may cause lung damage if swallowed

Flammability hazard:
Flammable

Environmental hazard:
Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment

4. FIRST AID MEASURES

General:
In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation:
Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

Eye contact:
Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Skin contact:
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do **NOT** use solvent or thinners.

Ingestion:
If accidentally swallowed, obtain immediate medical attention. Keep patient at rest. Do **NOT** induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing media:

Alcohol resistant foam, CO₂ or powder are recommended.
Do **NOT** use a water jet.

Recommendations:

Fire will produce dense, black smoke containing hazardous products of combustion (see section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude non-essential personnel.

Refer to protective measures listed in sections 7 & 8 of this data sheet.

Contain all spillages with non-combustible, absorbent material such as sand, earth, vermiculite and diatomaceous earth, and place in a suitable container for disposal (see section 13). If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures (see section 16).

Clean preferably with a detergent. Do not use solvents.

7. HANDLING AND STORAGE

General:

Store in a well ventilated area. Prevent access by unauthorised personnel. Observe precautions stated on label, and also industrial safety regulations. Packages which have been opened must be reclosed tightly and stored in an upright position. Smoking, eating and drinking should be avoided when handling the product. Never open the containers under pressure. Store in an area where the floor is impermeable and forms a collecting basin, so that, in the event of accidental spillage, the product can not spread.

Guard against static discharges when handling this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures / breathing apparatus:

Provide adequate general ventilation, or, where this is insufficient to avoid exposure, local exhaust ventilation and good general extraction. If high levels of vapour can not be controlled mechanically, suitable respiratory protective equipment should be worn.

Exposure limits:

	<u>8hr TWA</u>	<u>15 min STEL</u>	
Aromatic hydrocarbons	50ppm		(by the reciprocal calculation procedure)

Hand protection:

Protective creams may be used for exposed skin. Ensure that these are reapplied at regular intervals, **but** they should not be applied after contact with the product. When skin exposure is more likely to occur, advice should be sought from glove suppliers on appropriate types.

Eye and face protection:

Use eye protectors designed to protect against liquid splashes, especially when pouring the product, or when cleaning presses and other equipment.

Skin protection:

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

Environmental protection:

Do not allow product to enter drains or water courses. Local air pollution control legislation may apply to the use of this product. See also sections 12, 13, 15 and 16 of this data sheet.

9. PHYSICAL PROPERTIES

Physical state:	Clear liquid
Flash point:	47°C
Vapour pressure:	> 0.3 kPa (at 293K and 101kPa)
VOC content:	100%
Lower/upper explosion limit:	0.8/6.0 vol %
Solubility in water:	Insoluble
Solids content:	< 0.5% by weight

10. STABILITY AND REACTIVITY

Product is stable under the recommended storage and handling conditions (see section 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide and carbon dioxide may be produced. If in doubt, contact supplier.

11. TOXICOLOGICAL INFORMATION

There are no data available on the product itself. Excessive exposure to the product, or exposure to combustion by-products, may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

There are no data available for the product itself. The product is assessed to be dangerous for the environment by calculation (see sections 3 and 15). The product contains more than 1% of the substances identified in section 2 with the R-phrases 50 to 59 (or combinations thereof) assigned. The full text of R-phrases assigned to components of this product appear in section 16. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. Local air pollution control requirements may affect the use of this product. See section 16 of this data sheet.

13. DISPOSAL CONSIDERATIONS

Do not dispose of product into drains or water courses or where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with local waste disposal requirements and current national legislation. This product is classified as special waste according to the Special Waste Regulations 1996 (SI1996:972). Empty containers must also be consigned as special waste.

14. TRANSPORT INFORMATION

UN 1993, Class 3, Flammable Liquid. Marine Pollutant.

15. REGULATORY INFORMATION

This product was classified and labelled for supply in compliance with directives:

1999/45/EC (Preparations)
67/548/CEE (Hazardous Substances)

See section 16 for local implementation of CEE Directives.

Hazardous Substances contained in product:

Aromatic hydrocarbons 265-199-0

Hazards associated with the product:

Harmful: may cause lung damage if swallowed	R65
Flammable	R10
Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment	R51/53

Safety recommendations:

Keep away from sources of ignition - No smoking	S16
When using do not eat, drink or smoke	S20/21

16. OTHER INFORMATION

Text of R phrases listed in Section 2 (not applicable to the product - see section 15)

R10	Flammable
R36	Irritating to the eyes
R65	Harmful: may cause lung damage if swallowed
R51/53	Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment

General:

The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and current legislation. It provides guidance on the health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

UK regulations and guidance relevant to this product:

Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (SI2002:1689) as amended
Control of Substances Hazardous to Health Regulations 2002 (SI2002:2677)
The Environmental Protection (Duty of Care) Regulations 1992 (SI1992:2839)
The Waste Management Licensing Regulations 1994 (SI1994:1056)
Special Waste Regulations 1996 (SI1996:972)
PG6/16 Secretary of State's Guidance Note on Printworks